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MADCAP FLARE DESKTOP 2025

Autonumbers

THIS PDF WAS CREATED USING MADCAP FLARE.

CONTENTS

CHAPTER 5

APPENDIX

Welcome

Approximate Time: 25 minutes

Welcome to the Autonumbers Tutorial.

- **Tutorial Goal** Learning how to create automatic numbering for elements such as figure captions, chapter headings, and multi-level headings.

- **Key Concepts** Creating style classes, and applying styles to autonumber different types of content.

2.3 Lady Bird Lake

This popular lake is a section of the Colorado River named after the wife of President Lyndon Johnson. If offers miles of shoreline, with walking and biking trails, as well as kayak and canoe rentals.

FIGURE 2-3: Lady Bird Lake

Creating a Project From a Template

To start, let's create a new project based on Flare's Austin template.

How to Create a New Project From a Template

1. Select **File > New Project**. The Start New Project Wizard opens.

2. In the **Project name** field, give your project any name you want.

3. (Optional) In the **Project folder** field, you can enter a location where you want to save your project. By default, projects are saved in your Documents > My Projects folder.

4. Click **Next**.

5. Under **Factory Templates**, expand the **Tutorials** folder. Select the **Austin** template.
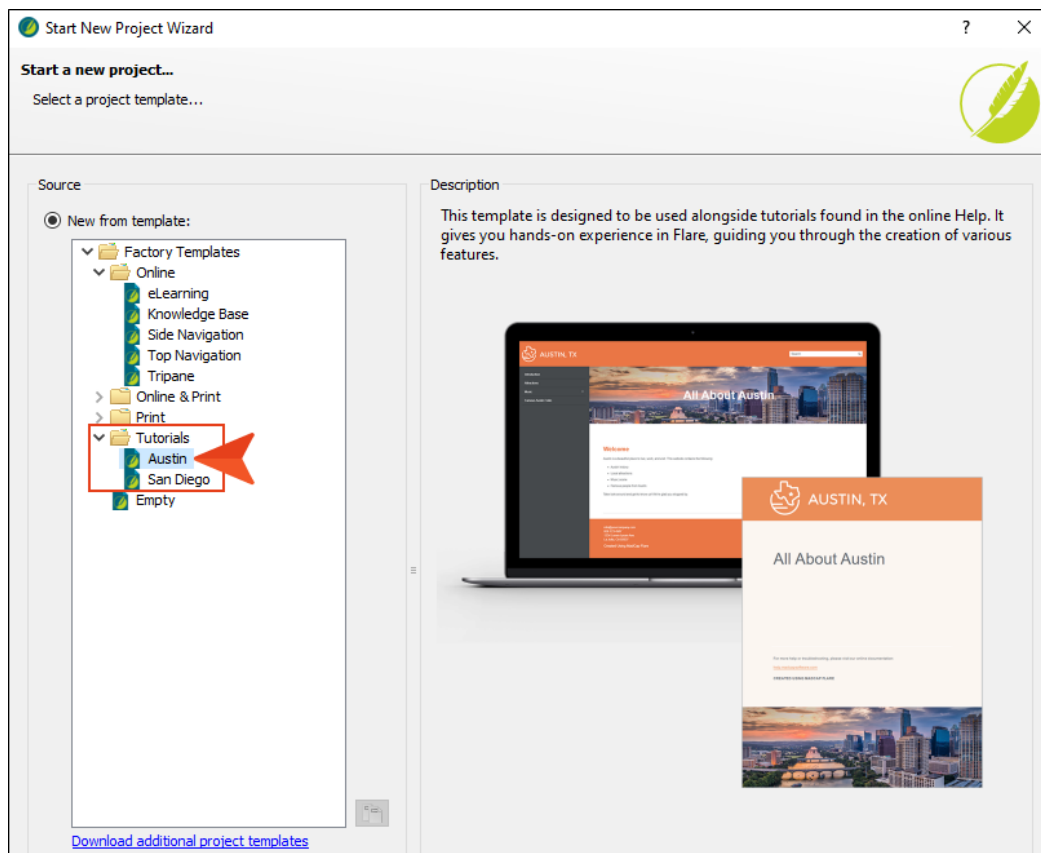
6. Click **Next**.

7. For branding, keep the default settings. (This is where you could customize your project's look with branding, such as colors and logo.) Click **Next**.

8. Click **Finish**. The project is created and loaded into Flare Desktop.

CHAPTER 3

Creating Autonumbering for Figure Captions

There are some images in our project, and we want to add captions below each one, with autonumbers at the beginning. This involves multiple activities to get it all set up, but once we're done, it's quite fast and easy to add the captions to images.

This chapter discusses the following:

How to Create a Style Class With Autonumbering

1. From the Content Explorer, expand **Resources > Stylesheets**. Then double-click **Styles.css**.

2. Make sure the following are selected in the Stylesheet Editor.
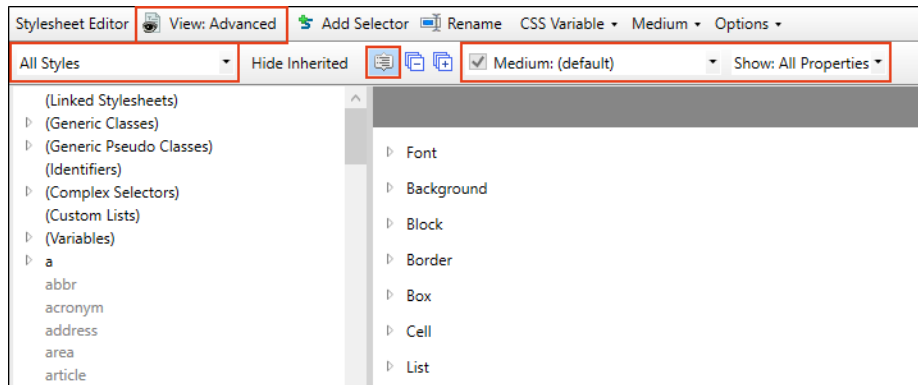
3. In the local toolbar, click **Add Selector**. The New Selector dialog opens.

4. In the **HTML Element** field, select **p**.

5. In the **Class Name** field, enter `Figure`.
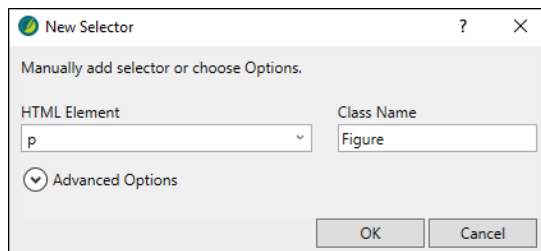
6. Click **OK**.

7. With that new style class chosen on the left side of the editor, expand the **AutoNumber** group on the right.
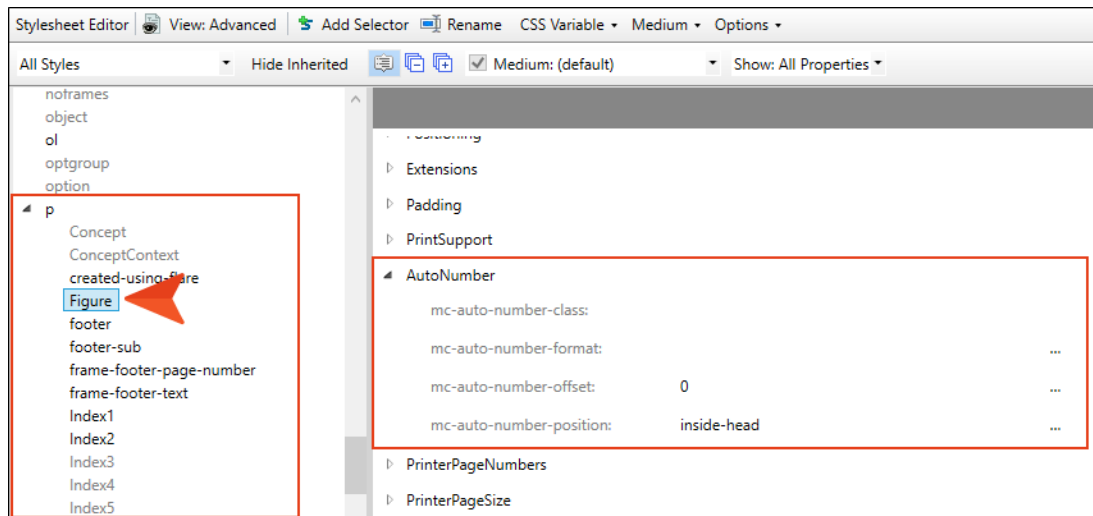
8. To the right of **mc-autonumber-format**, click ⌨.
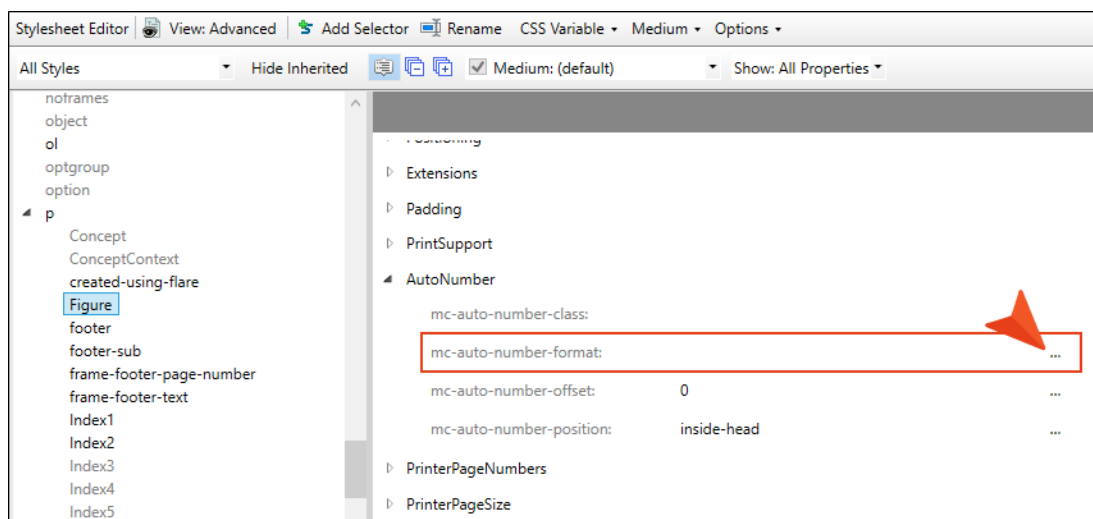
9. Copy the following format, and paste it into the field at the top of the dialog. Add a couple of spaces at the end of the format (i.e., after {/b}).

```
H: {b}FIGURE {n+}:{/b}
```
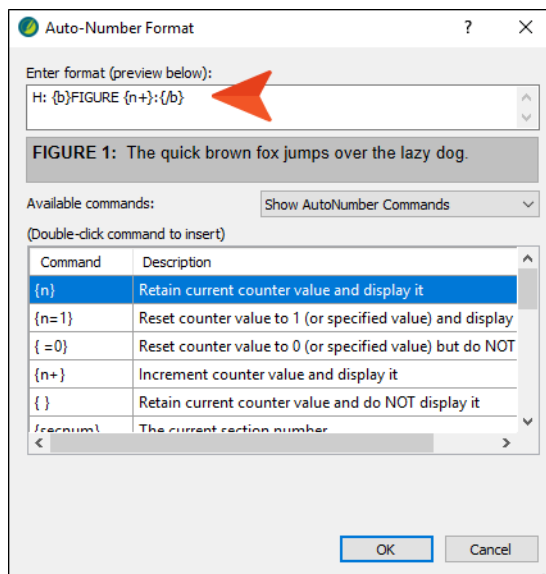

10. Click **OK**.

11. Scroll up on the right side of the editor and expand the **Box** group.

12. Change the number in the **margin-top** field to **0**. We're doing this to close the space between the image and the figure caption that we will add below it.
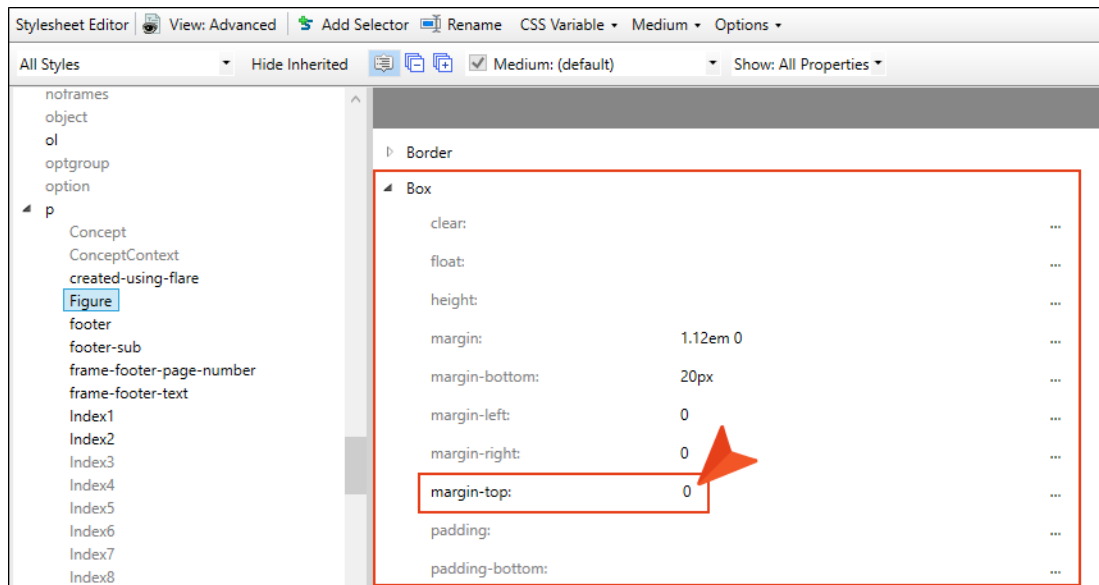
13. Click 🖫 to save your work.

How to Change the Autonumbering Format for Print Output

The autonumbering format that we just created will help us produce an image caption that looks as follows:

FIGURE 1: Texas State Capitol

This is fine for online output. But for print-based output, but we want the autonumber to include the chapter number in each figure caption, as follows (where the 2 refers to Chapter 2):

FIGURE 2-1: Texas State Capitol

So we're going to change the autonumber format in our stylesheet's Print medium, which is automatically set to be used for PDF output.

1. In the local toolbar of the Stylesheet Editor, click the **Medium** drop-down, and select the check box next to **Medium: print**.
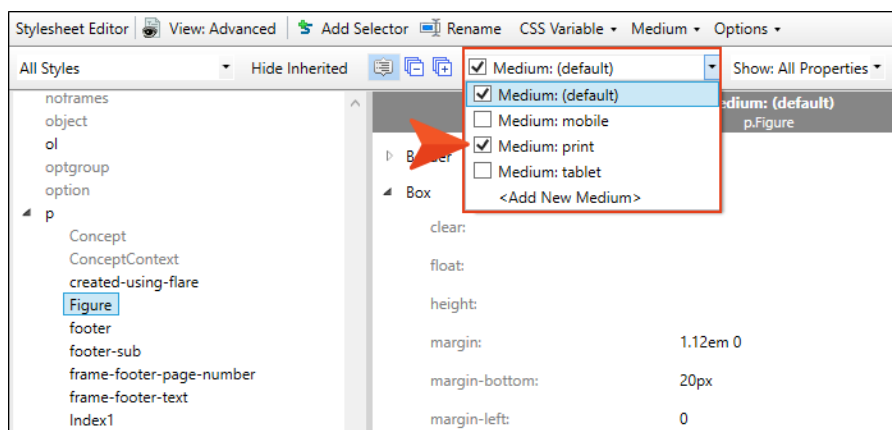
This displays a second set of properties on the right side of the editor. The properties on the left are for the Default medium, which is typically used for online output, and the properties on the right are for the Print medium.
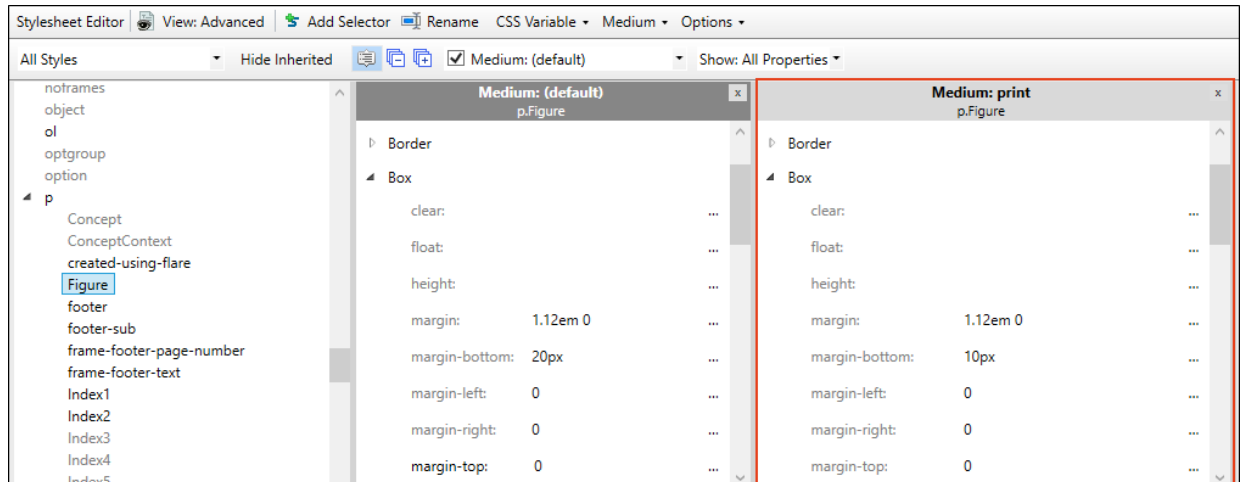
2. Scroll down in the properties area to the **AutoNumber** group.

3. In the **Medium: print** section, to the right of **mc-autonumber-format**, click [⋯].
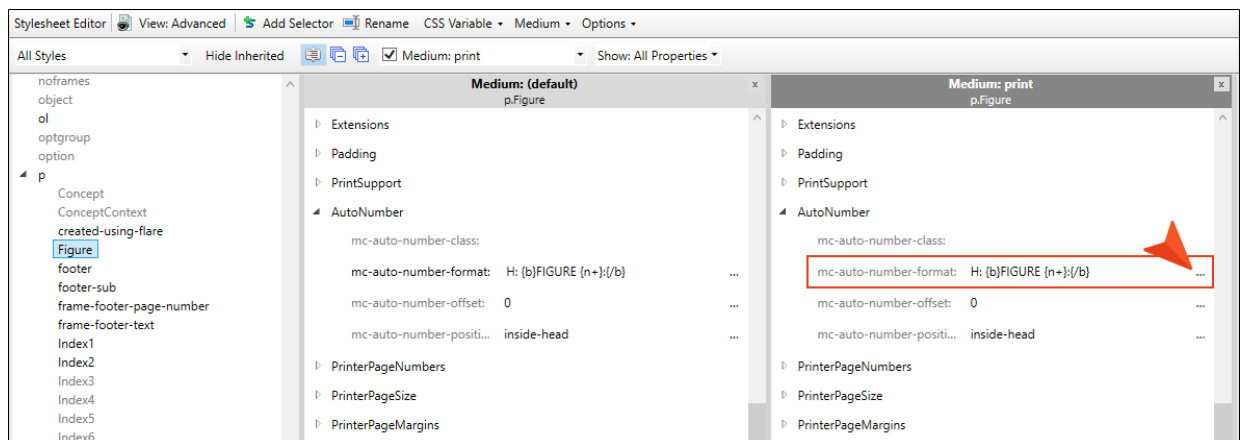
4. Copy the following format, and paste it into the field at the top of the dialog. Add a couple of spaces at the end of the format (i.e., after {/b}).

```
H: {b}FIGURE {chapnum}-{n+}:{/b}
```


5. Click **OK**.
6. Click to save your work.

How to Create a Style Class for Paragraphs Holding Images

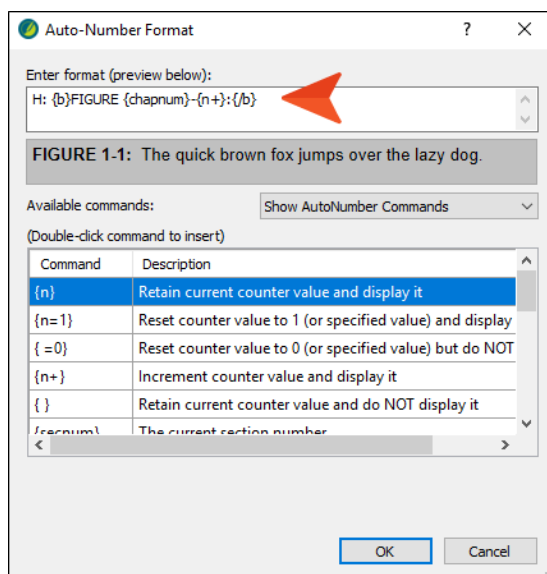Before we create a figure caption in a topic, we're going to add one more style class to the stylesheet. Images are usually wrapped inside <p> (paragraph) tags, and the margin for paragraphs in our stylesheet is set to have a lot of space below them. Just as we reduced the margin on the Figure style class we just created, we're going to do the same for this new style class.

1. In the local toolbar of the Stylesheet Editor, click **Add Selector**. The New Selector dialog opens.

2. In the **HTML Element** field, make sure **p** is selected, and in the **Class Name** field, enter `Image`.
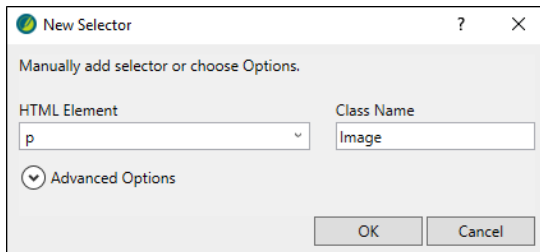
3. Click **OK**.

4. In the **Medium: (default)** section, scroll up to the **Box** group, and change the **margin-bottom** value to **0**.
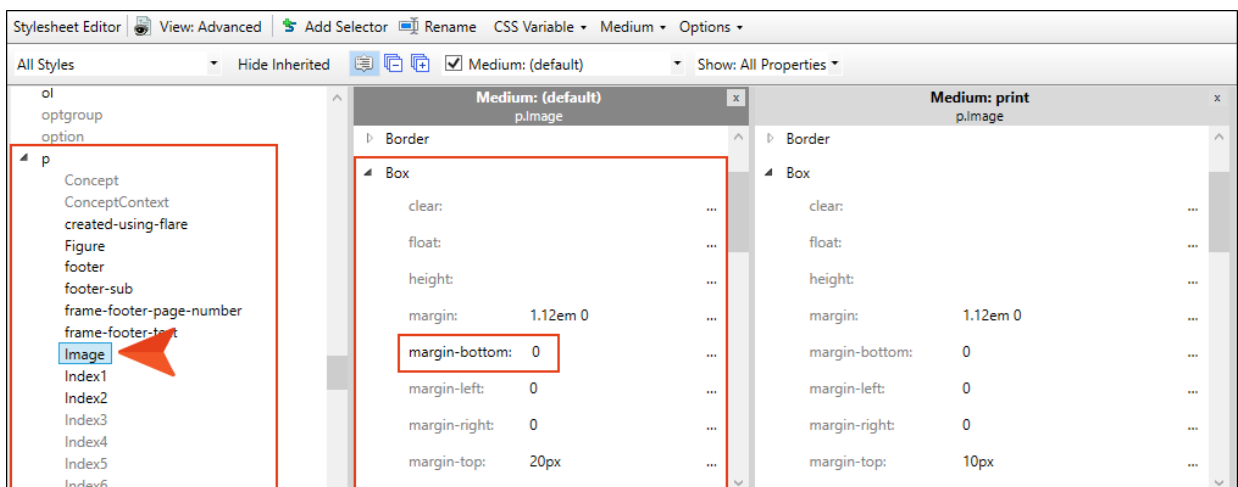
5. Click 💾 to save your work.

How to Create a Figure Caption With an Autonumber

1. From the Content Explorer, open the **Attractions.htm** topic.

2. Place your cursor to the right of the first image and press **ENTER** to create an empty paragraph under it.

3. Type `Texas State Capitol`.

4. With your cursor still on that line of text, select the **Home** ribbon, and from the **Style** drop-down select **p.Figure**.
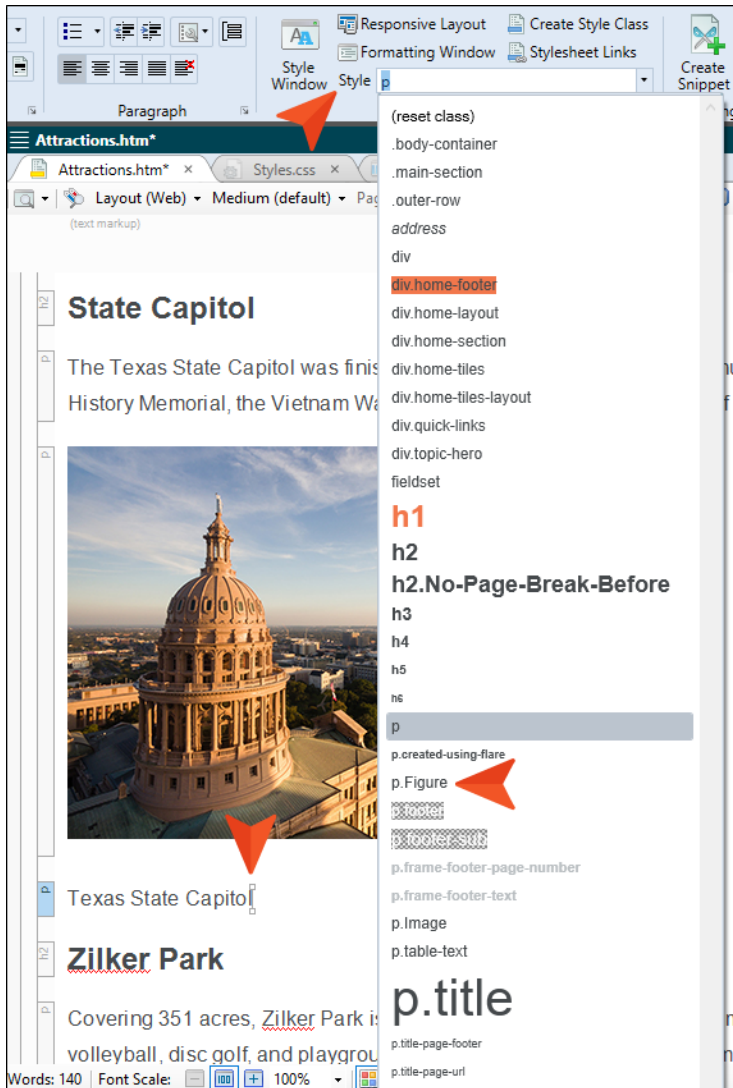
The autonumber is added to the beginning of the text you typed.

5. Click the **p** structure bar to the left of the image, thereby selecting the paragraph and the image within it.
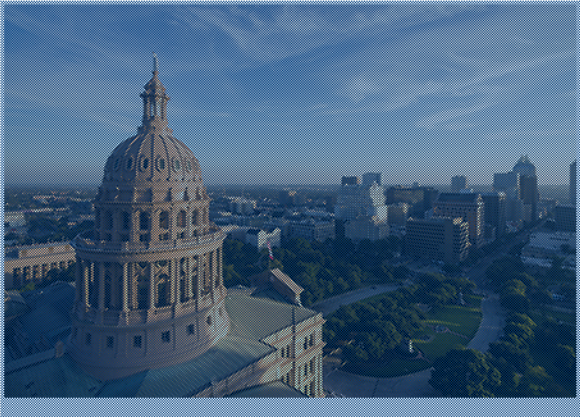
6. From the **Style** drop-down, select **p.Image**.
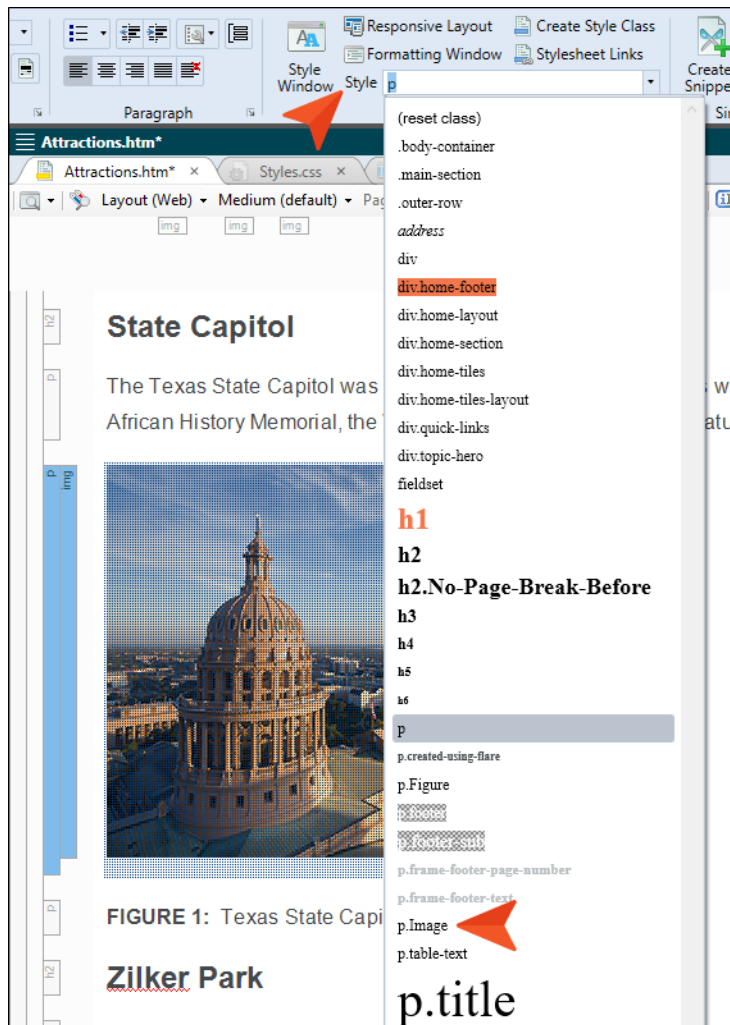
The image and caption under it should now look like this.

FIGURE 1: Texas State Capitol

7. Repeat these steps for the other two images in the topic. Type `Zilker Park` for the first caption, and `Lady Bird Lake` for the other.
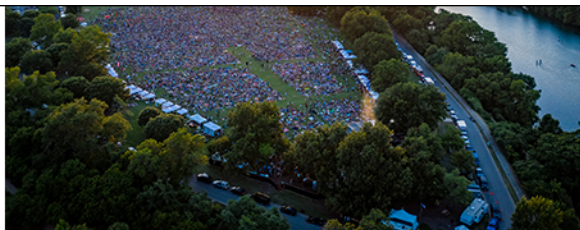
FIGURE 2: Zilker Park

Lady Bird Lake

This popular lake is a section of the Colorado River named after th

FIGURE 3: Lady Bird Lake

8. Open the **Introduction.htm** topic, and add a figure caption under the image, typing `Downtown Austin`.

9. Click 🖫 to save all files.

At the end of the next lesson, we will build and view the outputs to see the results, but first we need to create some chapter autonumbers for the main headings.

Creating Autonumbering for Chapter Headings

Let's edit the h1 style so that chapter autonumbers are used in PDF output. We will make some additional adjustments so that the numbering and table of contents (TOC) display correctly.

This chapter discusses the following:

How to Edit a Style With Chapter Autonumbering

1. Open the **Styles.css** file, and on the left side of the Stylesheet Editor, select the **h1** style. Then expand the **AutoNumber** group on the right.
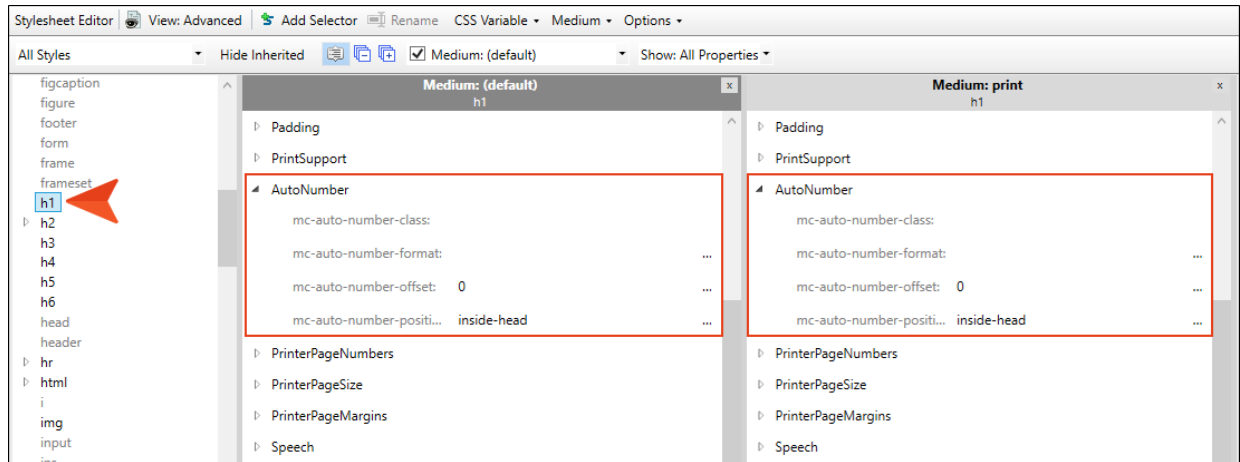
2. We are going to leave the Default medium alone, because chapter numbers do not make sense in online output. But they do in print-based output. So in the **Medium: print** section, to the right of **mc-autonumber-format**, click [...].
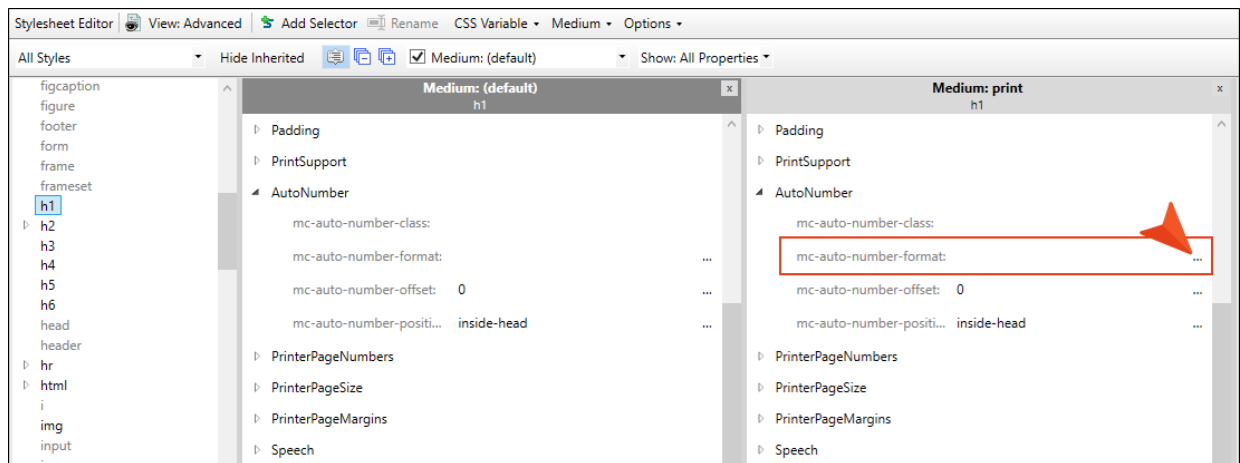
3. Copy the following format, and paste it into the field at the top of the dialog. Add a couple of spaces after the colon.

```
CH:Chapter {chapnum}:
```
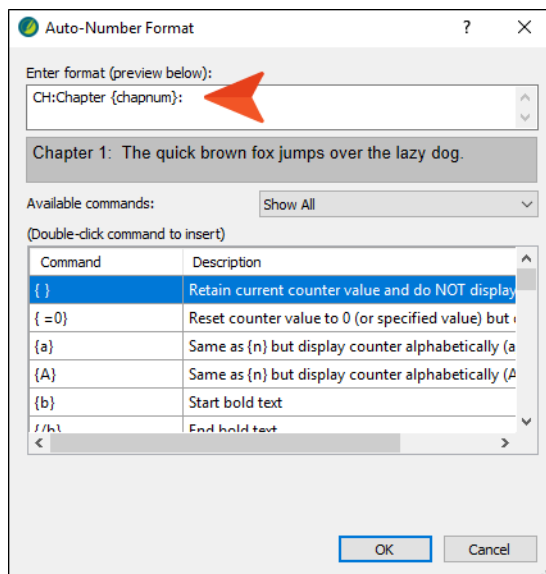

4. Click **OK**.

5. Click 🖫 to save your work.

How to Create a Table of Contents Topic for Print Output

This project is set up to automatically generate a TOC for the PDF target. Unfortunately, with this automatic TOC feature, you do not have control over the heading of the TOC, which uses the h1 style, just as the topic headings throughout the project. This means that the chapter autonumbering will begin with the TOC heading, and we don't want that. Therefore, we will create a separate topic to be used for the generated TOC, which gives us more flexibility and the opportunity to start the chapter autonumbering where it should be.

1. Create a new topic, naming it `Print-TOC`, and place it in the **Print-Only-Topics** folder of the Content Explorer. Enter `Contents` for the main heading in the topic.
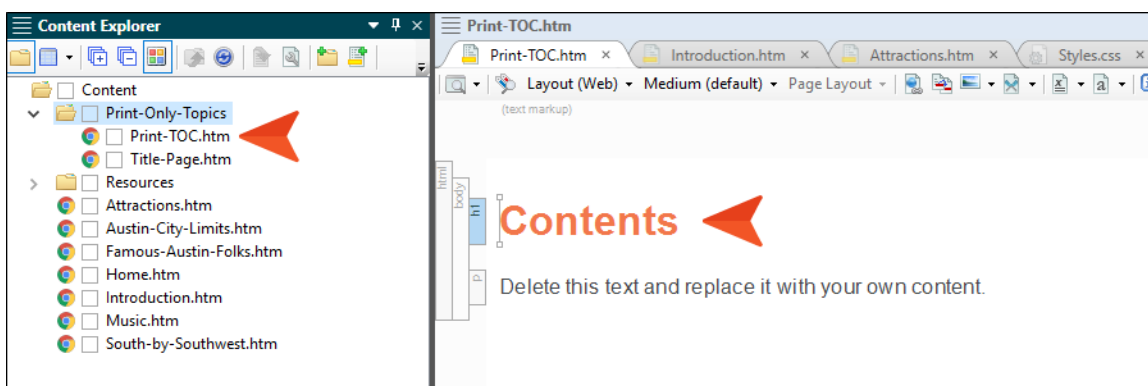
2. Delete the text under the heading, and in its place add a TOC proxy. To do this, select the **Insert** ribbon, and from the **Proxy** drop-down click **Insert TOC Proxy**. Click **OK** in the dialog. A gray bar representing the proxy is added to the topic.
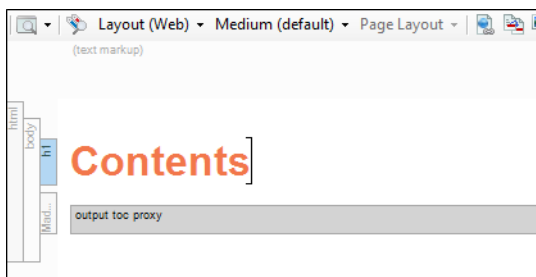
3. Click 🖫 to save your work.

4. Now we're going to create a new class of the h1 style that does not have any autonumbering and will not be repeated in the generated TOC. It's easiest to do this in the Internal Text Editor. Begin by copying the following.

```css
h1.Contents
{
    mc-heading-level: 0;
    mc-auto-number-format: "";
}
```

5. In the Content Explorer, right-click **Styles.css** and select **Open with > Internal Text Editor**.
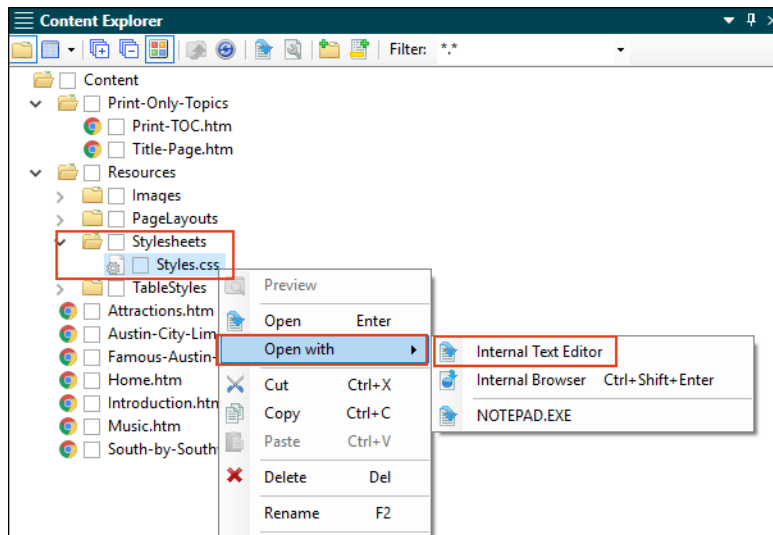
6. Scroll to the bottom of the editor and paste the style and properties.

7. Click 💾 to save your work.

8. Open the **Print-TOC.htm** topic, and apply the new **h1.Contents** style class to the heading.
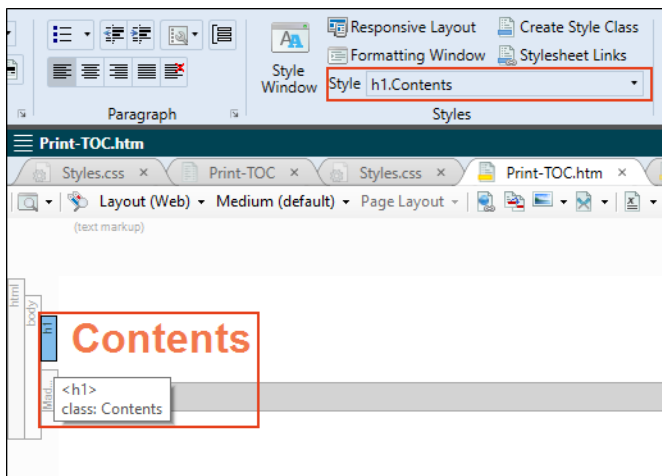
9. Click 💾 to save your work.

I How to Add the Print TOC Topic to the "Outline" TOC

With print-based output, the TOC file stored in the Project Organizer serves more as an outline than as a TOC. The actual generated TOC will be produced from the proxy that you added to the new topic. But in order for this to happen, we need to add the topic to the TOC file.

1. From the Project Organizer, open the **TOCs** folder and double-click **Print-TOC**.

2. From the Content Explorer, drag the new **Print-TOC.htm** topic to the TOC Editor, and drop it under the **Title-Page** entry. The word "Contents" is shown, because it is set up to automatically use the heading text in that topic.
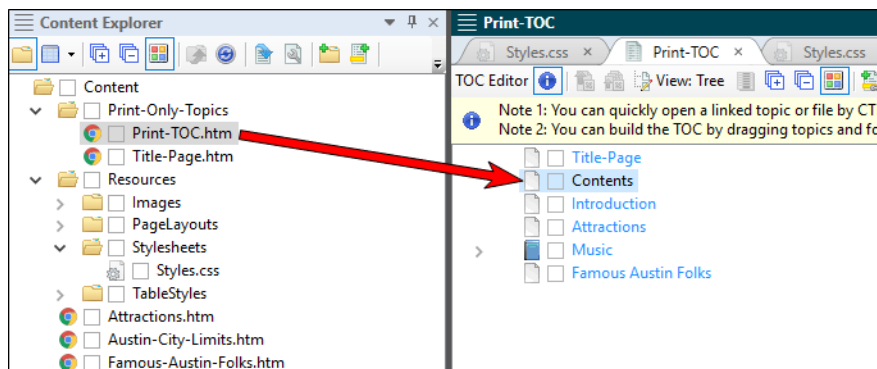
3. We don't want this topic to accidentally be shown on the same page as the title, or use the same page layout, so in the TOC Editor double-click the new **Contents** entry.

4. In the Properties dialog, select the **Printed Output** tab.

5. From the **Break Type** field, select **Page Layout Break**.

6. From the **Page Layout** field, select **Chapters**.

7. Click **OK**.
8. Click 💾 to save your work.

▎How to Reset the Chapter Numbering

Most of our work with chapter numbers is done. However, if you were to build and view the PDF output at this point, you would notice that the first chapter is actually shown as "Chapter 2," and the rest of the chapters increment from there. We need to tell Flare Desktop where to start the numbering.

1. In the TOC Editor showing the outline for the PDF output (i.e., the Print-TOC.fltoc file), double-click the **Introduction** entry.
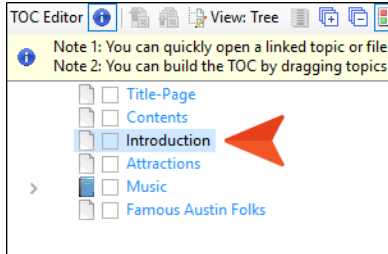
2. In the Properties dialog, select the **Auto-numbers** tab.

3. In the **Chapter Number** section, select **Reset to**, and enter 1 in the field.

4. Click **OK**.

5. Click to save your work.

▎How to Review the End Results

1. Build and view both of the targets in the project.

2. In the HTML5 online output, open the **Attractions** topic. Notice that the heading does not have autonumbering. When you scroll down, you will see that each image has a simple figure autonumber under it, next to the caption. We have designed the autonumber format so that the numbering restarts on each topic (i.e., the first image in a topic will be Figure 1).

You can also open the **Introduction** topic to view the figure caption there as well.

3. In the PDF output, scroll down and notice that each chapter has autonumbering in the main heading. When you get to the Attractions topic, notice the figure captions under each image. The numbering is a little different from the online output, with the autonumbering tied to the chapter number (e.g., Figure 2-1).
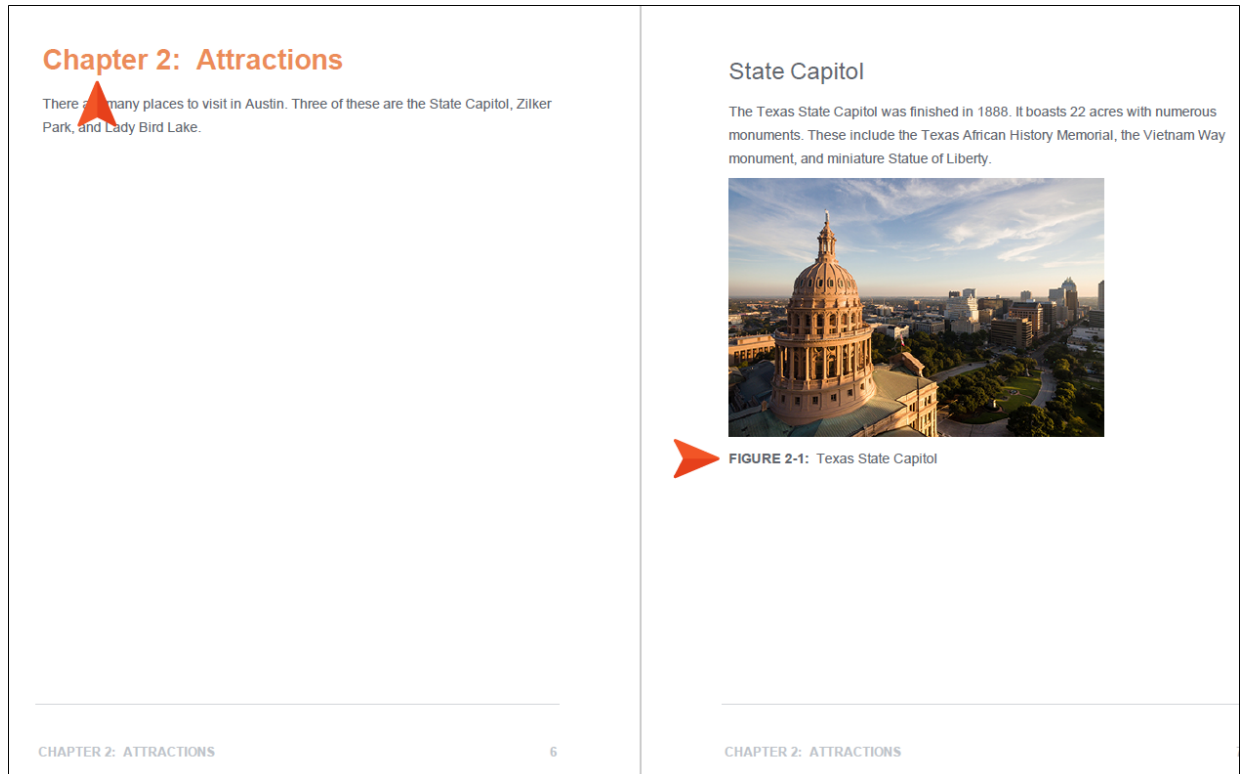
> **NOTE** You might have noticed that the figure caption for the first image in Chapter 1 displays by itself at the top of a page. That happened because we ran out of room on the previous page to display it. But you can fix this by resizing the image so that there is room to display the caption under it.

4. Close the PDF. Otherwise, Flare Desktop will be unable to build it again later.

Creating Multi-Level Autonumbering

Next, for the PDF output, we are going to change the autonumbering format for our h1 style, and we're going to add formats to the h2, h3, and h4 styles. This allows us to have autonumbering for different levels when multiple heading styles are used. In this tutorial, the online output will not have autonumbering on the headings; we are designing it for print output only.

This chapter discusses the following:

How to Edit Heading Styles With Autonumbering

1. On the left side of the Stylesheet Editor, select the **h1** style, and expand the **AutoNumber** group on the right.
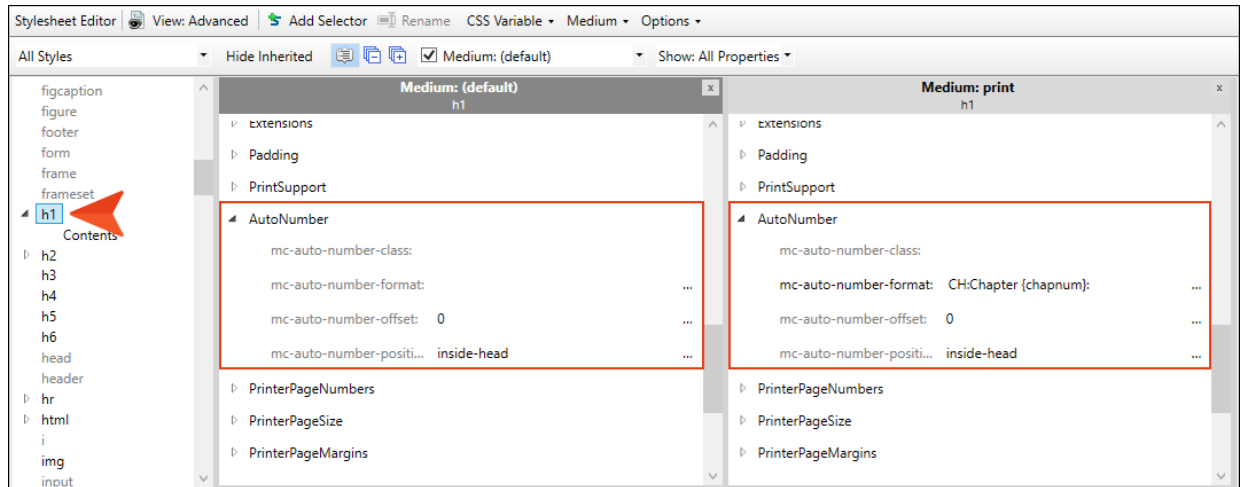
> NOTE If the Stylesheet Editor happened to adjust showing only one medium, click the **Medium** drop-down and make sure check marks are added next to both the **(default)** and **print** mediums.
>
>
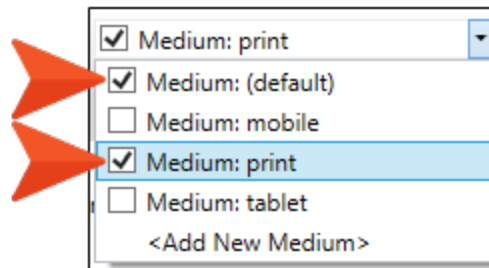
2. In the **Medium: print** section, to the right of **mc-autonumber-format**, click ⬚.
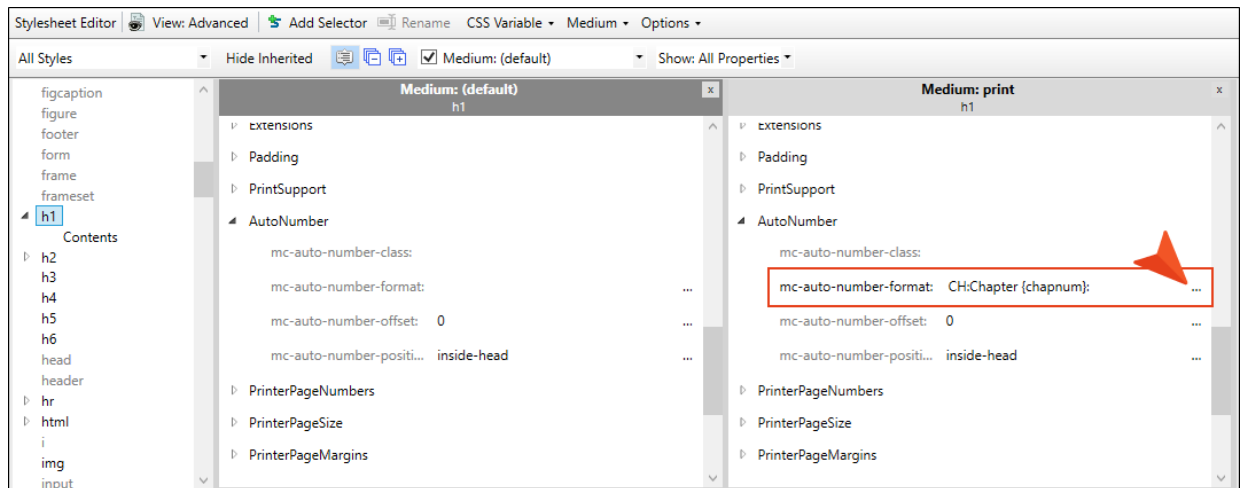
3. Copy the following format, and paste it into the field at the top of the dialog, replacing the previous format. Add a couple of spaces at the end. Click **OK** when you're done.
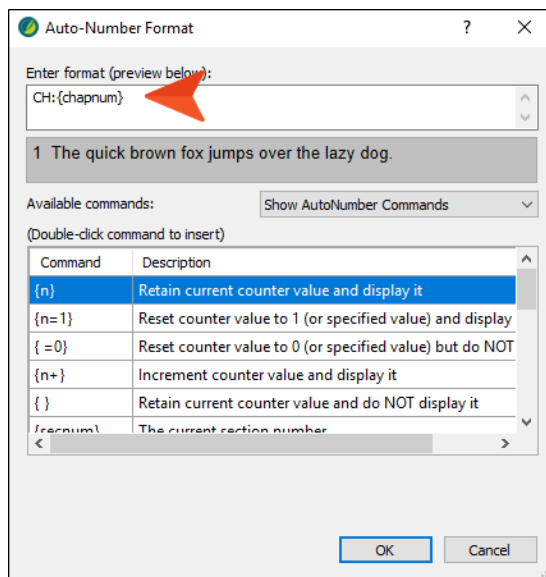
`CH:{chapnum}`

4. Using the same steps, select the **h2** style on the left, and set the **mc-autonumber-format** to the following. Add a couple of spaces at the end. Click **OK** when you're done.
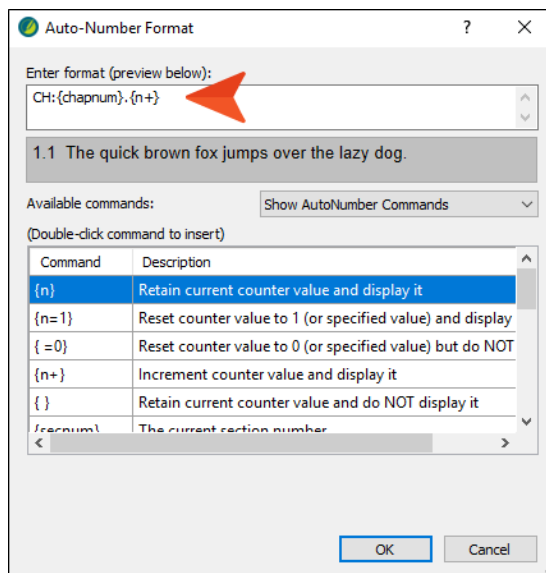
`CH:{chapnum}.{n+}`

5. Using the same steps, select the **h3** style on the left, and set the **mc-autonumber-format** to the following. Add a couple of spaces at the end. Click **OK** when you're done.

    ```
    CH:{chapnum}.{n}.{n+}
    ```
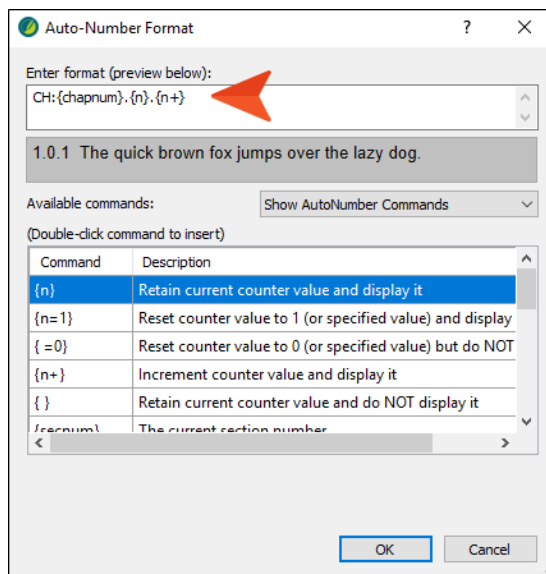

6. Using the same steps, select the **h4** style on the left, and set the **mc-autonumber-format** to the following. Add a couple of spaces at the end. Click **OK** when you're done.

    ```
    CH:{chapnum}.{n}.{n}.{n+}
    ```
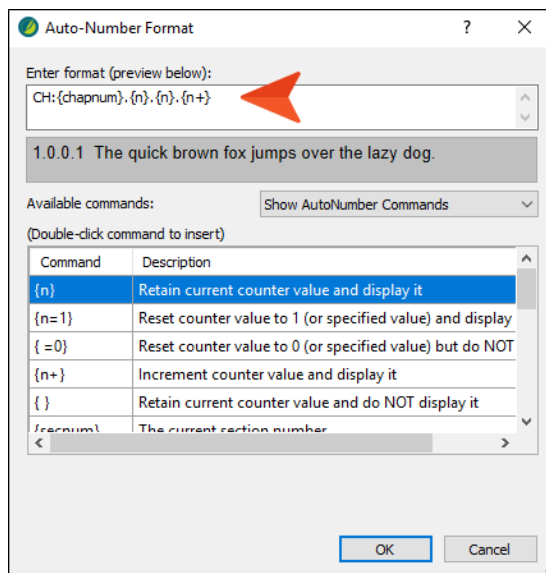

7. Click 🖫 to save your work.

▌How to Add More Content

We have added autonumbering up through the fourth heading level, but currently we only have content that goes to the third level. So let's add some more content.

1. From the Content Explorer, open the **Austin-City-Limits.htm** topic.

2. Place your cursor after the paragraph under "Format," and press **ENTER** to create an empty paragraph.

3. Type `Performances` and press **ENTER**.

4. Type `Here is some placeholder text that we will replace later.` Then press **ENTER** again.

5. Type `Interviews` and press **ENTER**.

6. Type `Here is some placeholder text that we will replace later.`

7. Apply the **h3** style to both **Performances** and **Interviews**.

   The topic should now look like this.

Austin City Limits

Created in 1974, Austin City Limits is a widely popular, award-winning music television show airing on public broadcast stations around the county.

Format

Episodes of Austin City Limits cover 60 minutes, either with two half-hour performances, or one hour-long performance. Shows also include interviews from the musical artists.

Performances

Here is some placeholder text that we will replace later.

Interviews

Here is some placeholder text that we will replace later.

Venue

The show was taped for its first 36 seasons on the University of Texas campus, in Studio 6A of the Communications Building. This venue could only support an audience of 300. In 2011, the show was moved to the Moody Theater, which as a capacity of 2,750.

> 📝 **NOTE** We're attempting to create fourth-level headings here, but in this topic we've only created third-level headings. However, when you look at the "outline TOC," you will see that this topic is placed under another one and is indented.
>
>
>
> Not only that, but on the **Advanced** tab of our PDF target, we have enabled **Use TOC depth for heading levels**. This means that when the PDF is generated, Flare Desktop will turn these h3 headings into h4 headings automatically due to their depth placement in the outline TOC.

8. Click 💾 to save your work.

❙ How to Review the End Results

1. Build the PDF target and view the output.

2. Scroll down and notice the autonumbering on all of the headings. When you get to the page about Austin City Limits, you will see the autonumbering all the way to the fourth level.

3.2 Austin City Limits

Created in 1974, Austin City Limits is a widely popular, award-winning music television show airing on public broadcast stations around the county.

3.2.1 Format

Episodes of Austin City Limits cover 60 minutes, either with two half-hour performances, or one hour-long performance. Shows also include interviews from the musical artists.

3.2.1.1 Performances

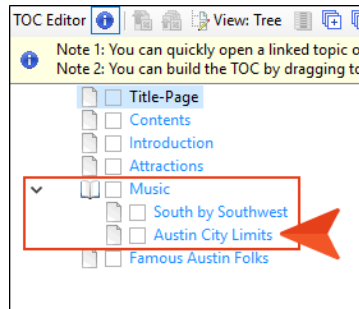Here is some placeholder text that we will replace later.

3.2.1.2 Interviews

Here is some placeholder text that we will replace later.

3.2.2 Venue

The show was taped for its first 36 seasons on the University of Texas campus, in Studio 6A of the Communications Building. This venue could only support an audience of 300. In 2011, the show was moved to the Moody Theater, which as a capacity of 2,750.

APPENDIX

PDFs

The following PDFs are available for download from the Help system.

Tutorials

Autonumbers Tutorial

Back-to-Top Button Tutorial

Context-Sensitive Help Tutorial

Custom Toolbar Tutorial

eLearning Tutorial—Basic

eLearning Tutorial—Advanced

Getting Started Tutorial

Image Tooltips Tutorial

Lists Tutorial

Meta Tags Tutorial

Micro Content Tutorial—Basic

Micro Content Tutorial—Advanced

Responsive Output Tutorial

Single-Sourcing Tutorial

Snippet Conditions Tutorial

Styles Tutorials

Tables Tutorial

Word Import Tutorial

Cheat Sheets

Context-Sensitive Help Cheat Sheet

Folders and Files Cheat Sheet

Learning & Development Cheat Sheet

Lists Cheat Sheet

Micro Content Cheat Sheet

Print-Based Output Cheat Sheet

Search Cheat Sheet

Shortcuts Cheat Sheet

Structure Bars Cheat Sheet

Styles Cheat Sheet

I User Guides

Accessibility Guide	*Meta Tags Guide*	*Source Control Guide: Team Foundation Server*
Analysis and Reports Guide	*Micro Content Guide*	*Styles Guide*
Architecture Guide	*Navigation Links Guide*	*Tables Guide*
Autonumbers Guide	*Plug-In API Guide*	*Tables of Contents Guide*
Branding Guide	*Print-Based Output Guide*	*Targets Guide*
Condition Tags Guide	*Project Creation Guide*	*Template Pages Guide*
Context-Sensitive Help Guide	*QR Codes Guide*	*Templates Guide*
Eclipse Help Guide	*Reviews & Contributions With Contributor Guide*	*Topics Guide*
eLearning Guide	*Scripting Guide*	*Touring the Workspace Guide*
Getting Started Guide	*Search Guide*	*Transition From FrameMaker Guide*
Global Project Linking Guide	*SharePoint Guide*	*Translation and Localization Guide*
HTML5 Guide	*Skins Guide*	*Variables Guide*
Images Guide	*Snippets Guide*	*Videos Guide*
Import Guide	*Source Control Guide: Git*	*What's New Guide*
Indexing Guide	*Source Control Guide: Perforce Helix Core*	
Key Features Guide	*Source Control Guide: Subversion*	
Lists Guide		
MadCap Flare Online Integration Guide		