

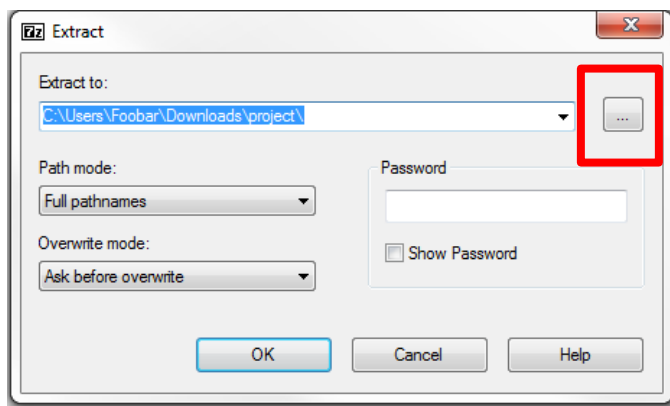
CPSC 1045: Exercise 1 [10 Marks]

Complete the following two exercises individually. Please follow the instructions **carefully** and complete all of the steps.

Exercise 1

Step 1: Extracting Files

- Download the attached zip file, exercise1.zip.
- Open up the program 7 Zip File Manager on your computer.
- Inside 7 Zip, navigate to your Download file, then **single click** on exercise1.zip to select it. **Do not** go into the file, just select it.
- Click the Extract button on the top left.
- You will be presented with a pop up window that allows you to choose where to save the files. Click the button shown below in the red box, and then choose your H drive/CPSC 1045 folder and hit OK



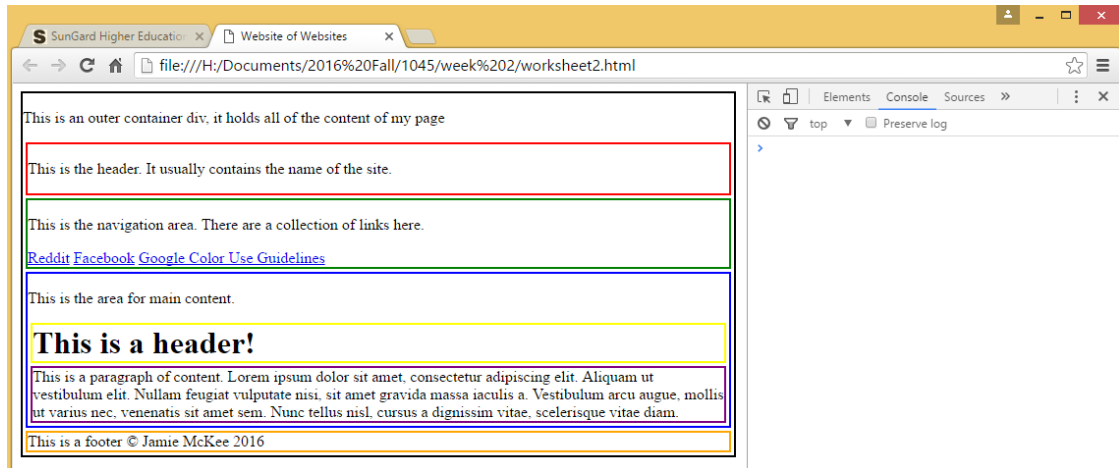
- Hit OK again.

****Note:** If you are using a machine running Windows 7, you can just right click on the zip file and select Extract All.

Step 2: Opening the Console

Now that you have successfully extracted the file and saved it to your H drive, you can start viewing the file.

- First, open the exercise1.html file in Firefox or Chrome
- Right click anywhere on the page in the browser and select Inspect Element
- In the inspect window that appears, select the Console tab. This an area where you can type JavaScript commands. Your page should look something like the picture below:



Step 3: Inspecting Elements with the Console

Type the following JavaScript commands into the console. Make sure you press enter in between each command.

- `document.getElementById("para");`
- `var footer = document.getElementById("myFooter");`
- `footer`
- `footer.innerHTML;`
- `footer.innerHTML = "Hello World";`

Once you have entered all of the commands into the console answer the following questions.

1. Explain the two main differences between the command you wrote in step a and the command you wrote in step b.
2. What was returned to the console after you entered the command in step c? Why was this element returned?
3. What was returned to the console after you entered the command in step d? What do you think this command does?
4. Explain what the command in step e did to the HTML page.

Exercise 2

1. Create a new html document called logic.html.
2. Make sure the html document has all of the basic tags required to pass validation.
3. Insert the following html structure in to the body of your webpage:

```
<div>
  <h2> Your Title Here </h2>
  <div>
    <p> Your Question Here</p>
  </div>
  <div>
    <p>Your Answer Here</p>
  </div>
```

</div>

4. Replace “Your title here” with an appropriate title
5. Replace “Your question here” with the question “You are given a 3 L bottle and 5L bottle, how can you measure out 4L exactly?”
6. Replace “Your answer here” with the answer to the question in step 5. Do not just look up the answer, solve the problem yourself.
7. Validate your page using https://validator.w3.org/#validate_by_input

Submission

When you have completed the exercises, call over the instructor or lab assistant. For exercise 1 be prepared to explain or elaborate on any of the questions you answered in this exercise. For exercise 2, show you html page and its validation. **You must complete as many steps as possible before leaving the lab today. No late exercises will be accepted.**

Grading

- 1 mark for code in console
- 4 marks for answer the questions
- 2 marks creating HTML page
- 2 marks for adding the question/answer and structure
- 1 mark for passing validation