***Practice 1 – HTML***

*Theory Practice*

1. What does HTML stand for?
2. Name the correct HTML tag that allows you to link images.
3. What happens when you use the <br> tag? Can this be achievable using separate <div> tags?
4. Does the <br> tag have an end tag?
5. Why is the <head> useful in an HTML page? What are some things you can define here?
6. Is the <body> tag different from the <head> tag? Why or why not?
7. Can it be possible to create an HTML page without *ANY* tags?
8. Are HTML5 pages currently utilized on many websites? Why or why not?
9. Name the correct HTML tag that allows you to link websites.
10. Suppose you do link a website and that the website is <https://google.com>. What is the correct HTML tag that allows you to do that? Does this HTML tag have an end tag? If it does, provide an example of creating a link on your webpage that allows the user to access Google.

*Exercises*

1. What does the following HTML page print out? What is the title of this webpage and where is the title located upon loading the webpage? [Easy]

<html>

<head>

<title>Hi! :)</title>

</head>

<body>

Hello world!

</body>

</html>

1. What does the following HTML page print out? [Easy]

<html>

<head>

<title>My Introduction!</title>

</head>

<body>

Hello world!

I am a computer scientist that loves to do a bit of gaming sometimes. I also love swimming and playing sports and hanging out with friends and family.

I am currently in school right now doing great things!

Did you take notice of the new lines I created in my introduction?

</body>

</html>

1. Write an HTML page, without using any CSS or JavaScript, that creates four different lines using <div> tags that can *achieve* the following output: [Intermediate]

1

2

3

4

1. Write an HTML page, without using any CSS or JavaScript, that creates a form (using the <form> tag) for users to input their username and password. At the end of this form is a “submit” button that allows the users to submit their username credentials (it does not need to have any functionality at the moment!). [Easy]
2. Write three HTML pages that are linked together using the <a> tags. These three HTML pages must contain different content. Also, separate these links onto different lines using the <br> tag on your *first and second HTML pages*, and the <div> tag on your *third page*. [Intermediate]
3. Write an HTML page that looks like the following screenshot: [Hard]

*Answers for Theory Practice*

1. HTML stands for HyperText Markup Language.
2. The correct HTML tag that allows you to link images is <img>.
3. When you use the <br> tag, you are breaking the following text into a new line, separating it from the prior text before it. A couple of <div> tags can also achieve something similar, but it creates blocks rather than separating the text into two different sections.
4. No, the <br> tag does not have an end tag. Sometimes, some people would use <br/>, but otherwise <br> achieves the same goal of breaking text into two different sections on two different lines.
5. The <head> tag is useful in HTML because you are able to define the information of a webpage. Some things you can define in an HTML page would be the webpage’s title using the <title> tag, the stylesheets using the <link> tag, and much more.
6. The <body> tag is different from the <head> tag in a sense that the <body> tag is the content of the webpage whereas the <head> tag is the information about the webpage.
7. Yes, it is possible to create a webpage without any HTML tags (however, there is no styling, there are no definitions of text blocks anywhere, and there is no info associated with the webpage! Why would you go through the lengths of creating a webpage without any of these things?)
8. HTML5 is the current standard HTML version almost everyone, if not, everyone, is currently using. Because of the newest additions such as a <video> tag, HTML5 allows for creativity that is not bogged down by redundant tags and it works with CSS and JavaScript files.
9. The correct HTML tag that allows you to link websites is the <a> tag.
10. The correct HTML tag that allows you to do that is the <a> hyperlink tag. This tag does have an end tag. An example usage of this is the following:

<a href=”https://google.com/”>Click here to go to Google</a>

*Selected Answers for Exercises*

1. The HTML page will print out the following:

Hello world!

The title of this webpage is called “Hi! :)” and it is located on the current tab you are viewing on your web browser upon loading the webpage.

1. The HTML page will print out the following:

Hello world! I am a computer scientist that loves to do a bit of gaming sometimes. I also love swimming and playing sports and hanging out with friends and family. I am currently in school right now doing great things! Did you take notice of the new lines I created in my introduction?

Notice that the webpage doesn’t have any <br> tags or separate <div> tags. The <body> tag will treat all separated text as connected (continuing from the first line) and not separated.

1. Here is the following HTML page:

<html>

<head>

<title>Separate divs</title>

</head>

<body>

<div>1</div>

<div>2</div>

<div>3</div>

<div>4</div>

</body>

</html>

1. Here is the following HTML page:

<html>

<head>

<title>User Stuff</title>

</head>

<body>

<form>

Username: <input type=”text” name=”Username input”/>

Password: <input type=”password” name=”Password input”/>

<button type=”submit”>Submit</button>

</form>

</body>

</html>