

Individual Assignments (CSS & JavaScript)

For this individual assignment, you are given 2 activities which were Activity 1 (Change the given code) and Activity 2 (write CSS rules and provide output for the given fragment of JavaScript).

Activity 1: Correct the Given Code

Change the color of all <p> and <h1> elements, to "red". Group the selectors to minimize code.

```
<!DOCTYPE html>
<html>
<head>
<style>

</style>
</head>
<body>

<h1>This is a heading</h1>
<h2>This is a smaller heading</h2>
<p>This is a paragraph.</p>
<p>This is another paragraph.</p>

</body>
</html>
```

This is a Heading

This is a paragraph.

This is another paragraph.

This is also a paragraph.

Activity 2: Answer all the given questions below.

1. Write a CSS style specification rule that would make all unordered lists (tags) have square bullets and a purple background.

```
ul {
    list-style-type: square;
    background-color: purple;
}
```

2. Write three style rules for the following HTML snippet, as described below.

```
<p class="poetry" id="stanza1">
'Twas brillig, and the slithy toves
Did gyre and gimble in the wabe
All mimsy were the borogoves
And the mome raths outgrabe.
</p>
```

3. Write a rule that would make this and all other paragraphs appear in 12-point font.

```
p {  
    font-size: 12pt;  
}
```

4. Write a rule that would make this and other paragraphs in the same class as this example appear in italic type.

```
p.poetry {  
    font-style: italic;  
}
```

5. Write a rule that would make this particular paragraph only appear in bold type.

```
#stanza1 {  
    font-weight: bold;  
}
```

6. Consider the following fragment of JavaScript. Give the output that would be produced in the browser window by the pieces of code in parts (a) through (d) below.

```
// Part (a)  
var i  
for (i = 2; i < 8; i += 2) {  
    document.writeln("The value of i is "+i+"<br />")  
}
```

```
// Part (b)  
var s = "Able was I ere I saw Elba."  
document.writeln(s.indexOf('I'))  
document.writeln("<br />")
```

```
// Part (c)  
document.writeln(s.indexOf('I',11))  
document.writeln("<br />")
```

```
// Part (d)  
document.writeln(s.substring(12,19))  
document.writeln("<br />")
```

7. Below are pairs of JavaScript commands. For each pair,
(i) Determine whether a function should be used to carry out the work of both lines, and
(ii) if so, give the function definition and set of calls to it that would replace the original pair or commands. An example has been done for you.

a) `document.writeln("My favorite color is blue.
")` `document.writeln("My favorite color is red.
")`

b) `total += price1+0.05*price1` `price1+0.05*price1`
`total += price2+0.05*price2`

c) `document.writeln("This message will appear in the body.")` `alert("This message will appear in a pop-up window.")`

d) `document.getElementById("link1").href = "error.html"`
`document.getElementById("link2").href = "home.html"`