

Task 1.2p – Grady Ramsay 218257386

1. Write what is responsive web design and why it's important?

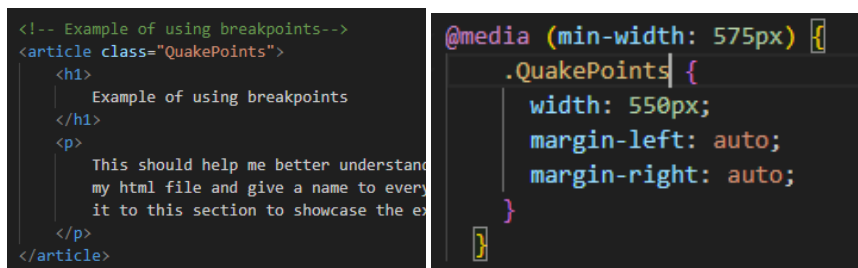
Responsive web design is an approach to apply display adaptability to websites which is important as it allows seamless user experience and better accessibility to websites regardless of devices and screen size constraints.

2. Write how to implement responsive web design with CSS and implement code; hint: CSS @media Rule.

To implement responsive web design with CSS we can use the @media rule which allows for us to apply specific constraints based of screen size.

Below I've provided an example of an article that will remain centered with a width of 550px, If the device has a screen size lower then 575px the rule won't apply causing it to fill the width of the screen.

An example of HTML and CSS:



3. Write a JavaScript file with at least 5 string methods. Hint: Use console.log function for output. (No need to include HTML and CSS).

Here is a screenshot of the results of 5 string methods. You can check the JavaScript.js file for the code string methods used.

```
"C:\Program Files\nodejs\node.exe" ".\Task 1.2p\JavaScript.js"
This is to test string length = 31
Extracts part of a string = test s
Please check out Ontrack for more info. Please check out DeakinSync for more info.
toUpperCase() would be good for database information. TOUPPERCASE() WOULD BE GOOD FOR DATABASE INFORMATION.
Trim, ()Also good for database information Trim, ()Also good for database information
```

4. Write a JavaScript file with at least 2 array variables (one string array and one number array) with total 5 array methods (you can use either string array or number array, or you can use both e.g., 2 methods using string array then 3 methods using number array). Hint: Use console.log function for output. (No need to include HTML and CSS).

Here is a screenshot of at least 5 array methods using both a string and a number array. You can check the JavaScript2.js file for the code and methods used.

```
C:\Program Files\nodejs\node.exe .\JavaScript2.js
> (3) ['Mandarin', 'Orange', 'Mango']
3
> (2) ['Mandarin', 'Orange']
Orange
> (2) ['Mandarin', 'apricots']
1,2,3,4,5.12345
5.123
```

5. **Write a JavaScript file with at least 5 Date methods. Hint: Use console.log function for output. (No need to include HTML and CSS).**

Here is a screenshot of at least 5 date methods in console. You can check the JavaScript3.js file for the code and methods used.

```
C:\Program Files\nodejs\node.exe .\JavaScript3.js
Thu Jul 20 2023 11:51:05 GMT+1000 (Australian Eastern Standard Time)
Mon Oct 13 2014 11:13:00 GMT+1100 (Australian Eastern Daylight Time)
Fri Mar 25 2022 11:00:00 GMT+1100 (Australian Eastern Daylight Time)
Mon Dec 24 2018 10:33:30 GMT+1100 (Australian Eastern Daylight Time)
Fri Dec 24 1999 00:00:00 GMT+1100 (Australian Eastern Daylight Time)
Sat Mar 03 1973 20:46:40 GMT+1100 (Australian Eastern Daylight Time)
```

6. **Write your reflections on the above tasks. (Max 150 words)**

As there were no specifics regarding a reflection of max 150 words. I believe I didn't have any issue whilst learning more about CSS and JS.

I was able to successfully use JS to complete the task above, though I still think there is room for improvement when it comes to implementing JS into HTML which I'm sure we'll get taught over the next coming weeks.

I still think there is much more to learn than these simple methods when it comes to JS and I look forward to learning it.

Link to GitHub repo: <https://github.com/Gradox9/SIT120Task1Grady>

Link to Demo video: https://video.deakin.edu.au/media/t/1_3ti5a9b9