

ASSESSMENT 1

➤ Batch	DT354-3 (Group - B)	TU Dublin
➤ Module	Dynamic Programming Languages	Continuous Assessment
➤ Submit To	rana.zeeshan@tudublin.ie	25 Marks

QUESTION 1 (5 Marks) :

- Write a code for a JavaScript Function '**myFunction(a,b)**' that takes 2 arguments.
- Using **if/else** statements,
 - Print out "**Five**", if the sum/addition of both arguments is a multiple of 5.
 - Print out "**Not Five**", if the sum/addition of both arguments is not a multiple of 5.

Notes :

1. *You "can" skip HTML for this task.*
2. *Plain JavaScript code would be enough, as long as it outputs results.*
3. *You can just declare the function. I'll call it myself to test if it works fine.*

QUESTION 2 (5 Marks) :

- Describe in your own words: What is the difference between **Inline**, **Internal** and **External CSS**.
- If you assign a Color property to an HTML text element 3 times using all CSS methods within the same document. Such as:
 - Inline CSS => White
 - Internal CSS => Yellow
 - External CSS => Pink

That text element will get displayed in which color, and why?

Notes : *You "can" answer this particular entire question theoretically.*

QUESTION 3 (5 Marks) :

- Declare your Student Id as a string '**myID**'.
 - Sample Outcome : `myID = "CX0123356"`
- Use a For Loop to populate an array '**myArray**' with the letters/digits of your Id.
 - Sample Outcome : `myArray = ["C","X","0","1","2","3","3","5","6"]`
- Use the Splice() & Concat() methods to pick out the Even digits from your ID into another array '**EvenArray**'.
 - Sample Outcome : `EvenArray = ["2","6"]`
- Use the join() method to merge EvenArray elements into a string '**myString**' and print it.
 - Sample Outcome : `myString = "26"`

Notes :

1. *You "can" skip HTML for this task.*
2. *Plain JavaScript code would be enough, as long as it outputs results.*

QUESTION 4 (10 Marks) :

- Paste a HTML Document code, that has 4 elements:
 - 2 user input tag fields
 - 1 button to trigger a function
 - 1 heading tag to display results.
- Give IDs to the above elements:
 - `inputId1`, `inputId2`, `buttonId`, `headingId`
- Input tags will be of type 'number', and button will trigger a function '**myFunction**'.
- Your function needs to do the following :
 - Take 2 inputs from user, & convert those into numbers.
 - Multiply 1st number with 5.
 - Add 11 to 2nd number.
 - Add the result of last 2 steps.
 - Concatenate the letter "X" with the result.
 - Display the final outcome via heading tag.

For Example :

If user inputs these numbers : 10 & 9 (For your understanding)

Action1: $10(5) = 50$

Action2: $9 + 11 = 20$

Action3: $50 + 20 = 70$

Action4: "X" + 70 = X70 => Final Output

Note : *You are supposed to paste a functional html code, with JavaScript written within `<script>` `</script>` tag.*

**NOTE :**

Deadline : 3 PM, November 5th, 2021

Policy : This PDF is only a backup for those who are unable to access Brightspace. You are supposed to attempt the Quiz on Brightspace.
