Let's Upgrade Javascript Essentials

Assignment -01(Day-02)

Q.1 What will the code below output to the console and why ?

console.log(1 + "2" + "2");

 OUTPUT: 122   Taking all elements as a string

console.log(1 + +"2" + "2");

OUTPUT: 32

ADDING 1+2=3 AND NEXT 2 IS TAKEN AS STRING SO 3+"2"=32

console.log(1 + -"1" + "2");

Output:02   1-1=0 is taken as string and 2 is taken as string "0"+"2"=02

console.log(+"1" + "1" + "2");

Output: 112 all elements are taken as string

console.log("A" - "B" + "2");

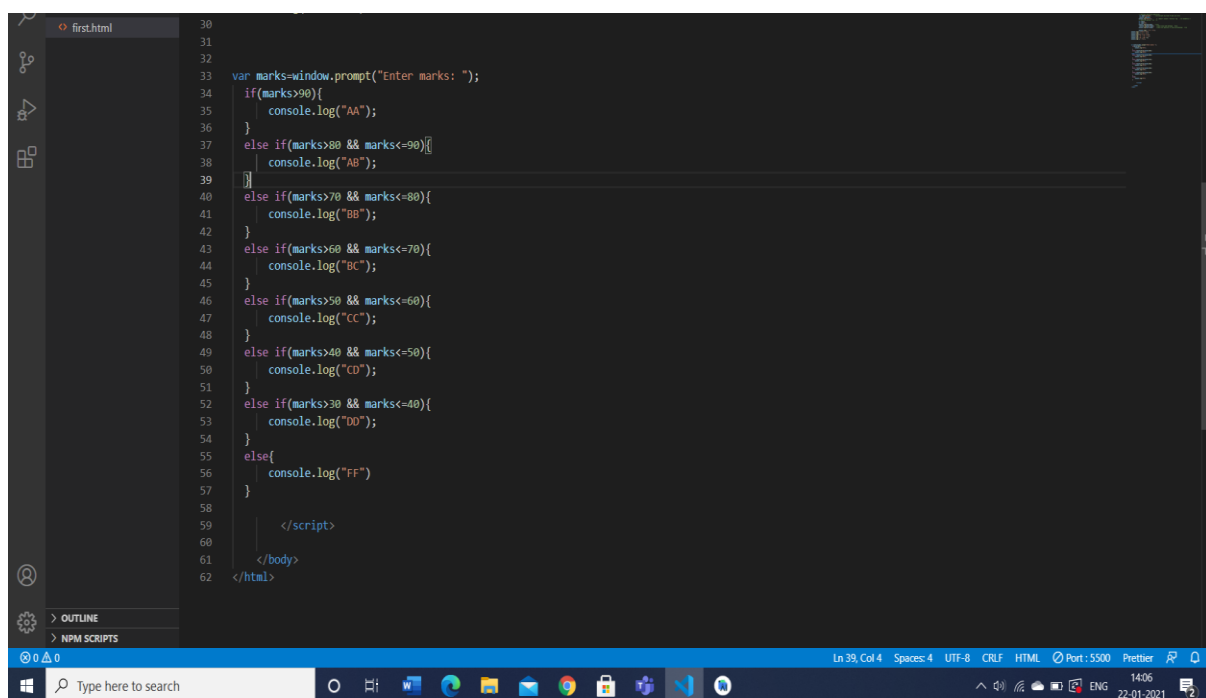Output: NaN2   diff of any two characters show NaN , and "2" is taken as string so NaN2

console.log("A" - "B" + 2);

Output: NaN   Same as above but 2 is not taken as string.

Question 2

You are given a variable "marks". Your task is to print:

- AA if the mark is greater than 90

- AB if the mark is greater than 80 and less than or equal to 90

- BB if the mark is greater than 70and less than or equal to 80

- BC if the mark is greater than 60 and less than or equal to 70

- CC if the mark is greater than 50 and less than or equal to 60

- CD if the mark is greater than 40 and less than or equal to 50

- DD if the mark is greater than 30 and less than or equal to 40

- FF if the mark is less than or equal to 30

```html
var marks=window.prompt("Enter marks: ");
   if(marks>90){
      console.log("AA");
   }
   else if(marks>80 && marks<=90){
      console.log("AB");
   }
   else if(marks>70 && marks<=80){
      console.log("BB");
   }
   else if(marks>60 && marks<=70){
      console.log("BC");
   }
   else if(marks>50 && marks<=60){
      console.log("CC");
   }
   else if(marks>40 && marks<=50){
      console.log("CD");
   }
   else if(marks>30 && marks<=40){
      console.log("DD");
   }
   else{
      console.log("FF")
   }

        </script>

     </body>
  </html>
```