

## ASSIGNMENT - 1

Q1. What will the code below output to the console and why ?

```
console.log(1 + "2" + "2");
console.log(1 + +"2" + "2");
console.log(1 + -"1" + "2");
console.log(+ "1" + "1" + "2");
console.log( "A" - "B" + "2");
console.log( "A" - "B" + 2);
```

```
<html>
  <title> </title>
  <head> </head>
  <body>
    <script>
      console.log.window(1 + "2" + "2");
      console.log.window(1 + +"2" + "2");
      console.log.window(1 + -"1" + "2");
      console.log.window(+ "1" + "1" + "2");
      console.log.window( "A" - "B" + "2");
      console.log.window( "A" - "B" + 2);
    </script>
  </body>
</html>
```

Output:

```
122
32
02
112
NaN2
NaN
```

Since, JavaScript doesn't have any type. It cannot recognize the type of variable. So we use apostrophe to print string variables.

Here,

- 1) 1 is integer and 2's are strings. Therefore, **1 + "2" + "2" is 122**
- 2) ++"2" is incrementing the string 2 to 3. Therefore: **1 + "2" + "2" is 32**
- 3) **1 + -"1" + "2"** integer value is subtracted from string value i.e., **02**
- 4) All the values are in string type **1 + "1" + "1" + "2" = 112**
- 5) Two alphabet string value cannot subtract each other so, **"A" - "B" + "2" = NaN2**
- 6) Two types of variables cannot take place.