Daily TASK - 19

1. Find output of $10 + 20 + '30'$

   let A = $10 + 20 + '30'$

   A = $30 + '30'$ '30' → String

   $$A = 3030$$

2. Find output of $'10' + 20 + 30$

   let A = $'10' + 20 + 30$ '10' → string

   A = $'10' + 50$

   $$A = 1050$$

3. $10 == '10'$

   To check left & right side value are equal or not. Not consider in data type

   10 ⇒ is number

   $'10'$ ⇒ is string , But

   $10 == '10'$ ⟶ True   (Return value is true)

4. $20 === '20'$

   $===$ is called as 'strict equality'

   To check both left & right side value are equal & To compare data type also same to return the 'true', Data type also not equal to return false

   $20 === '20'$ ⟶ False (Return value is False)

5. JS Advantages:
- → Reusability
- → Maintainclean Code
- → Efficient performance
- → Easy to learn implement
- → Easy-To-Grasp syntax
- → portability
- → Rich interface
- → Less server interaction
- → Platform independent
- → versatile
- → object oriented language.

6. 5 Math inbuilt method.

math. ceil$^{(x)}$ → Returns 'x' rounded upto it's nearest integer   ex: 2.1, 2.2, 2.3..., 2.9 ⇒ 3

Math. floor$^{(x)}$ → Returns 'x' rounded down to it's nearest integer ex. 2.1, 2.2, 2.3..., 2.9 ⇒ 2

math. round (x) → Returns 'x' rounded to it's nearest integer

ex:

$$2.1, 2.2, 2.3, 2.4 \rightarrow 2$$

$$2.5, 2.6, 2.7, 2.8, 2.9 \rightarrow 3$$

math. Pow (x, y) → x to the power of y

ex: Math. Pow (8, 3) → 512

math. sqrt (x) → To square root of 'x'

ex→ math. sqrt (16) → 4

7. Closure:

A closure is a function having access to the parent scope, even after the parent function has closed.

ex:

```
Function makeFunction() {
    var name = 'Mariselvam';
    Function displayName() {
        console.log (name);
    }
    return displayName;
}
var MyFunction = MakeFunction();
MyFunction();
O/p → Mariselvam
```

8. forEach:

forEach method executes a provided function once for each array element.

ex:

```
Number = [1, 2, 3]
Number.forEach (element =>
        console.log (element));
```

O/p:

1
2 } each element print in one
3 } by one. Return values always same.
      Not change in array.

For In :

Iterate (loop) over the properties of an
Object.
Or :

```
var Person = { FirstName : "Mani", lastName: 'sel
                       age : 25 }

var text = "";

For (let x in Person) {
    text = text+ Person[x] + " ";
}
```

o/p :

Mariselvan25 → The value in one line
to nearest position