

Tasks on 4-9-24:

Task-1: Print Numbers from 1 to 10

Write a for loop that prints all the numbers from 1 to 10, each on a new line.

JS index.js

```
1  ✓ for(i=1;i<=10;i++){  
2      console.log(i);  
3  }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

[Running] node "d:\my files\daily_activity\day37\index.js"

1
2
3
4
5
6
7
8
9
10

[Done] exited with code=0 in 0.588 seconds

Task-2: Print Multiplication Table

Create a for loop that prints the multiplication table for the number 5, from 1 to 10. For example, it should print $5 \times 1 = 5$, $5 \times 2 = 10$, and so on up to $5 \times 10 = 50$.

```
JS index1.js > ...
1  ✓ //taking user input
2    //var inputNumber = +prompt("enter the number you want to see as table :");
3    //printing number's table
4    var inputNumber = 5;
5  ✓ for(i=1;i<=10;i++){
6      console.log(inputNumber+" "+"x"+" "+i+" "+"="+" "+(inputNumber*i))
7  }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

[Running] node "d:\my files\daily_activity\day37\index1.js"

```
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
```

[Done] exited with code=0 in 0.193 seconds

Task-3:Sum of First 10 Natural Numbers

Use a for loop to calculate and print the sum of the first 10 natural numbers (1 to 10).

```
JS index2.js > ...
1  //taking input from user
2  //var input = +prompt("enter the number:");
3  var input = 10;
4  var sum = 0; //initializing sum to 0
5  //loop for print sum of n natural numbers
6  for(i=1;i<=input;i++){
7      sum = sum + i;
8  }
9  console.log(sum);
10
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
[Running] node "d:\my files\daily_activity\day37\index2.js"
55
```

```
[Done] exited with code=0 in 0.194 seconds
```

Task 4: Print Numbers Divisible by 3 from 1 to 30

Create a for loop that prints all numbers between 1 and 30 that are divisible by 3.

JS index3.js

```
1 //printing all numbers between 1 to 30 which are divisible by 3
2 for(i=1;i<=30;i++){
3     if(i%3==0){
4         console.log(i);
5     }
6 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

[Running] node "d:\my files\daily_activity\day37\index3.js"

3
6
9
12
15
18
21
24
27
30

[Done] exited with code=0 in 0.155 seconds

Task-5: Print Square of Numbers from 1 to 10

Write a for loop that prints the square of each number from 1 to 10. For example, it should print 1 squared is 1, 2 squared is 4, and so on up to 10 squared is 100.

JS index4.js

```
1 //taking user input
2 //input = +prompt("enter the number , from 1 to that particular number squares has to be printed:");
3 input = 10;
4 //loop for printing square numbers between 1 to particular number
5 for(i=1;i<=input;i++){
6     console.log(i**2);
7 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

[Running] node "d:\my files\daily_activity\day37\index4.js"

```
1
4
9
16
25
36
49
64
81
100
```

[Done] exited with code=0 in 0.197 seconds