

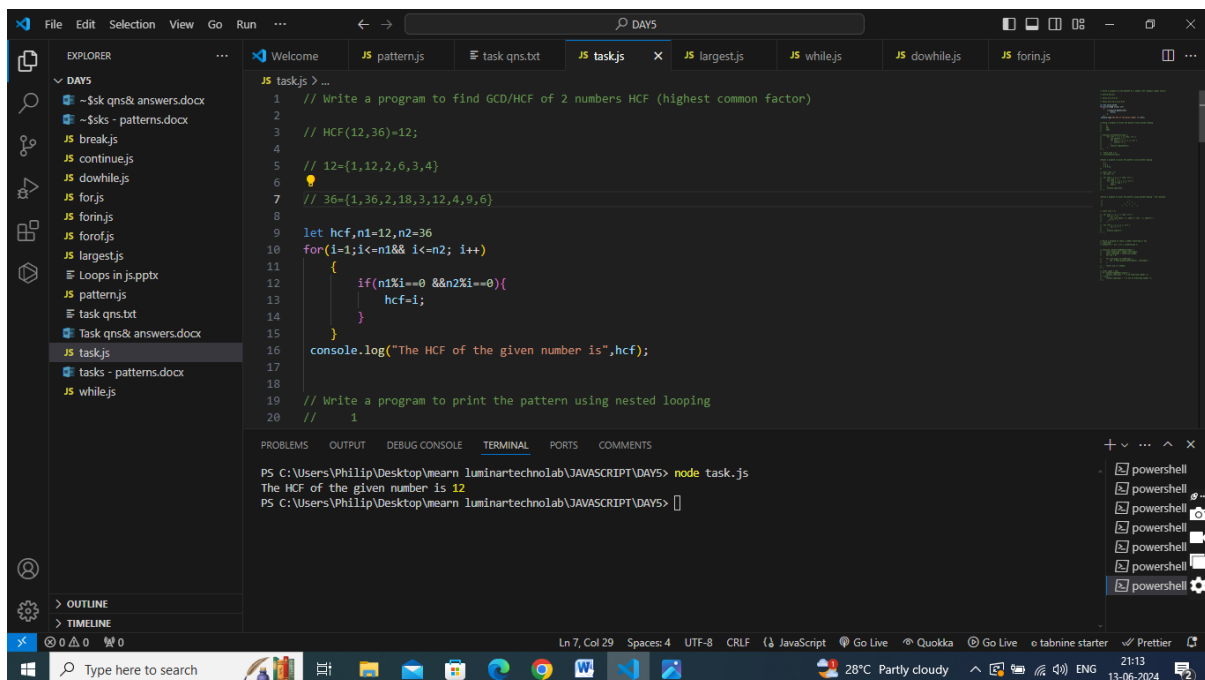
TASKS

1. Write a program to find GCD/HCF of 2 numbers HCF (highest common factor)

HCF(12,36)=12;

12={1,12,2,6,3,4}

36={1,36,2,18,3,12,4,9,6}



```
1 // Write a program to find GCD/HCF of 2 numbers HCF (highest common factor)
2
3 // HCF(12,36)=12;
4
5 // 12={1,12,2,6,3,4}
6
7 // 36={1,36,2,18,3,12,4,9,6}
8
9 let hcf,n1=12,n2=36
10 for(i=1;i<=n1&& i<=n2; i++)
11 {
12     if(n1%i==0 && n2%i==0){
13         hcf=i;
14     }
15 }
16 console.log("The HCF of the given number is",hcf);
17
18 // Write a program to print the pattern using nested looping
19 // 1
```

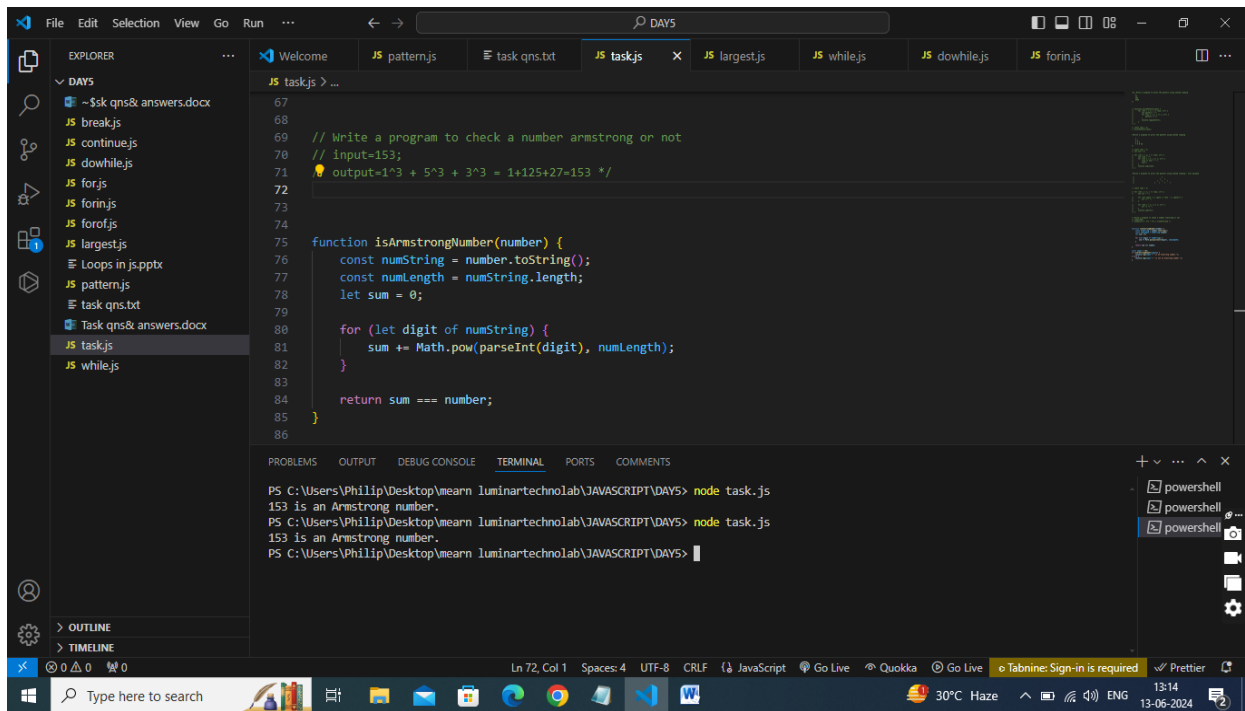
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS

```
PS C:\Users\Philip\Desktop\meam luminartechnolab\JAVASCRIPT\DAYS> node task.js
The HCF of the given number is 12
PS C:\Users\Philip\Desktop\meam luminartechnolab\JAVASCRIPT\DAYS>
```

2. Write a program to check a number armstrong or not

input=153;

output= $1^3 + 5^3 + 3^3 = 1+125+27=153$



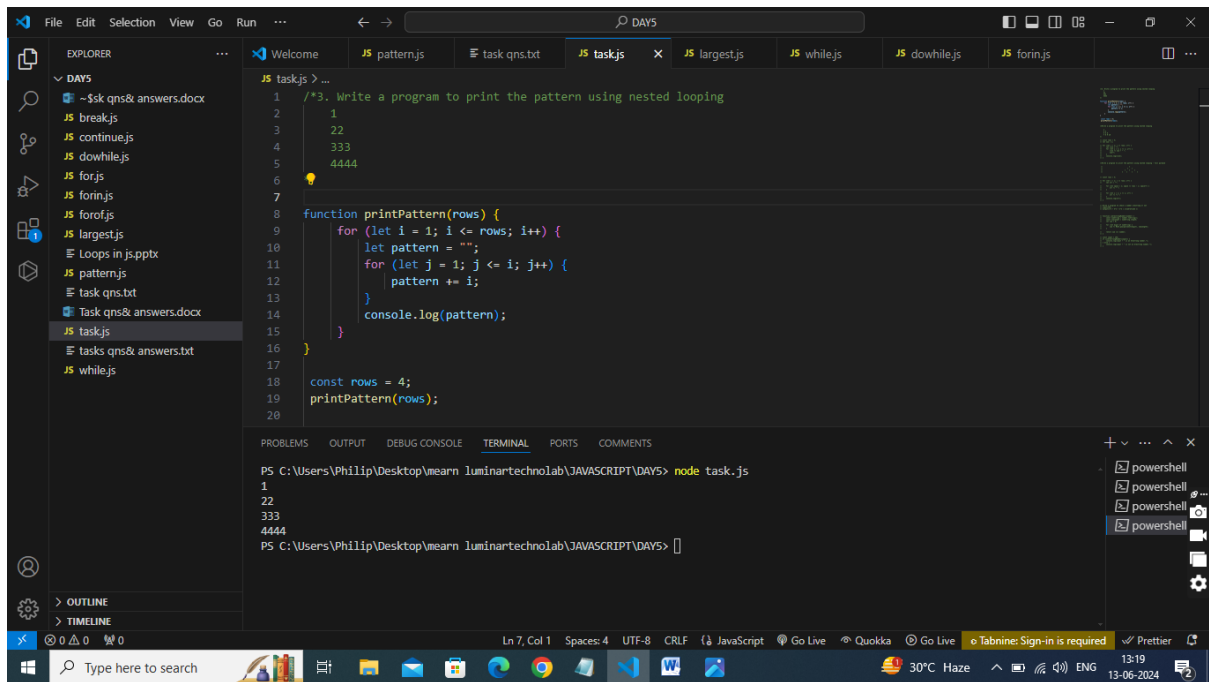
3. Write a program to print the pattern using nested looping

1

22

333

4444

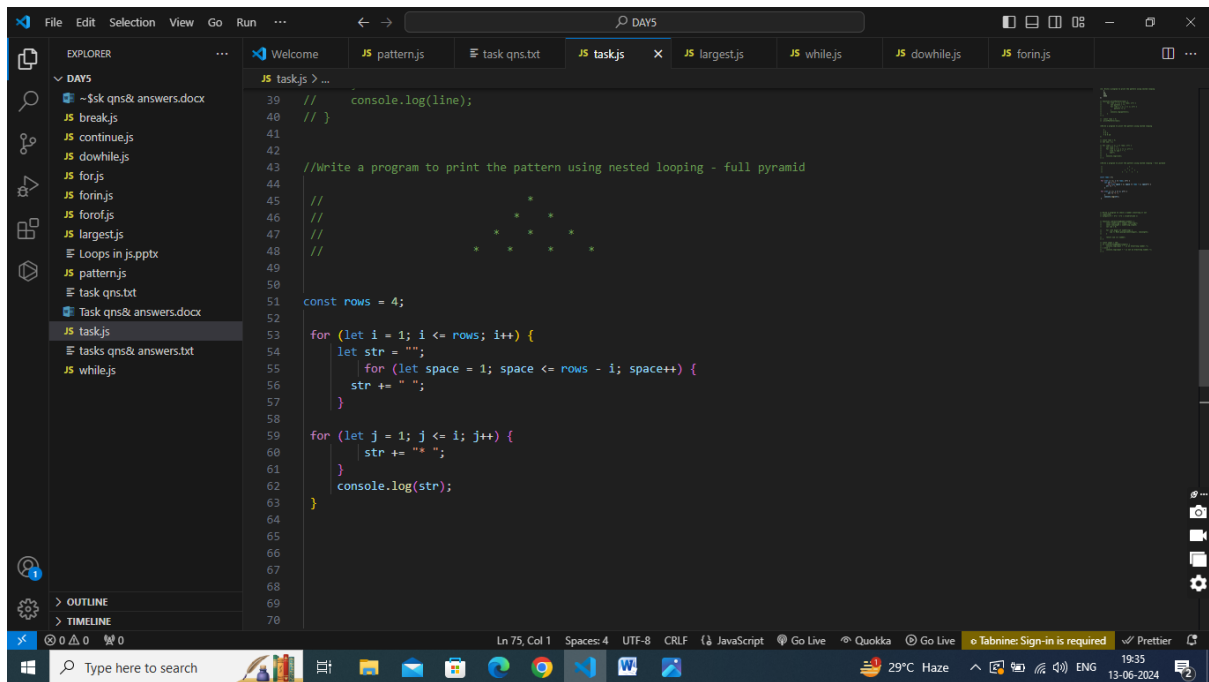


4. Write a program to print the pattern using nested looping - full pyramid.

```

      *
    *  *
  *  *  *
*  *  *  *

```



```
39 // console.log(line);
40 // }
41
42 //Write a program to print the pattern using nested looping - full pyramid
43
44 //
45 //
46 //
47 //
48 //
49
50 const rows = 4;
51
52 for (let i = 1; i <= rows; i++) {
53   let str = "";
54   for (let space = 1; space <= rows - i; space++) {
55     str += " ";
56   }
57   for (let j = 1; j <= i; j++) {
58     str += "* ";
59   }
60   console.log(str);
61 }
62
63
64
65
66
67
68
69
70
```

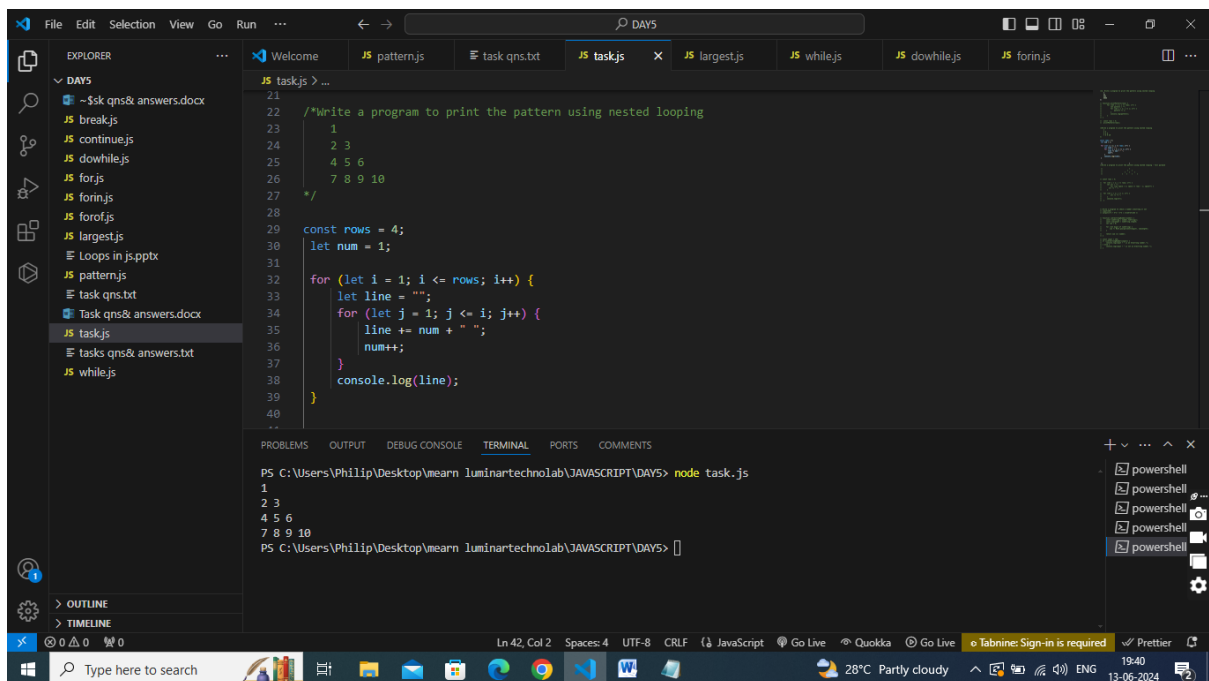
5. Write a program to print the pattern using nested looping

1

2 3

4 5 6

7 8 9 10



```
21
22 /*Write a program to print the pattern using nested looping
23 1
24 2 3
25 4 5 6
26 7 8 9 10
27 */
28
29 const rows = 4;
30 let num = 1;
31
32 for (let i = 1; i <= rows; i++) {
33   let line = "";
34   for (let j = 1; j <= i; j++) {
35     line += num + " ";
36     num++;
37   }
38   console.log(line);
39 }
40
```

PS C:\Users\Philip\Desktop\meam\luminartechnolab\JAVASCRIPT\DAYS> node task.js

1
2 3
4 5 6
7 8 9 10

PS C:\Users\Philip\Desktop\meam\luminartechnolab\JAVASCRIPT\DAYS>