

05/12/2024

Solving Loop Problems

Creating a "*" pattern

```
In [9]: for x in range (6):  
        print('*'* x)
```

```
*  
**  
***  
****  
*****
```

Print all even numbers from 1 to 50

```
In [17]: for i in range(51):  
        if(i%2==0):  
            print(i)
```

```
0  
2  
4  
6  
8  
10  
12  
14  
16  
18  
20  
22  
24  
26  
28  
30  
32  
34  
36  
38  
40  
42  
44  
46  
48  
50
```

Print a alphabet patten

```
In [20]: for i in range(8):  
        let= chr(64+i)  
        print(let * i)
```

```
A  
BB  
CCC  
DDDD  
EEEE  
FFFFF  
GGGGGG
```

Write a program to get total sum of even numbers from 1 to 50

```
In [36]: total_sum = 0  
        for i in range (1, 51):  
            if i % 2 == 0:  
                total_sum += i  
        print("The Total sum of even numbers from 1 to 50 is", total_sum)
```

The Total sum of even numbers from 1 to 50 is 650

```
In [ ]:
```