

## Day\_5\_While\_Loop(DATA\_MINDS)

September 6, 2023

```
[ ]: #While loop first check the condition is right or wrong but for loop is not do  
    ↪ this  
    #after that while loop will execute the next step
```

```
a=1  
while a<=10:  
    print(a)  
    a=a+1
```

```
1  
2  
3  
4  
5  
6  
7  
8  
9  
10
```

```
[ ]: #SUM UP THE NO TILL SOME POINT
```

```
[7]: n=int(input("Enter your limit"))  
starting_point=0  
counter=1  
while counter<=n:  
    starting_point=starting_point+counter  
    counter = counter+1  
starting_point
```

Enter your limit 5

```
[7]: 15
```

```
[ ]: #FACTORIAL
```

```
[11]: b=int(input("Enter your no : "))
      factorial=1
      while b>0:
          factorial=factorial*b
          b=b-1
      factorial
```

Enter your no : 5

[11]: 120

```
[12]: #FIBONACCI SERIES
```

```
[13]: c=int(input("Enter your value : "))
      a,b=0,1
      counter=0
      while counter < c:
          print(a)
          d=a+b
          a=b
          b=d
          counter=counter+1
```

Enter your value : 10

0  
1  
1  
2  
3  
5  
8  
13  
21  
34

```
[1]: a,b=0,1
     for i in range(10):
         print(a)
         d=a+b
         a=b
         b=d
```

0  
1  
1

2  
3  
5  
8  
13  
21  
34

```
[2]: a="virat"
```

```
[3]: a[::-1]
```

```
[3]: 'tariv'
```

```
[5]: name=input("Enter your name : ")
```

Enter your name : virat

```
[ ]: reverse=""  
length=len(name)  
while length>0:  
    reverse=reverse+name[length-1]  
    length=length-1  
print(reverse)
```

```
[ ]: #PRINT TABLE OF NUMBERS
```

```
[ ]: n=int(input("Enter your number : "))  
i=1  
while i<=10:  
    result=n*i  
    print(n,"*",i,"=",result)  
    i=i+1
```

```
[ ]: print("h")
```

```
[ ]:
```