

Assignment - 9 While Loop

1. Write a python script to print MySirG N times on the screen.

```
n=int(input("Enter a number:"))
x="MySirG"
i=1
while i<=n:
    print(x,end=" ")
    i=i+1
```

Output:-

```
Enter a number:5
MySirG MySirG MySirG MySirG MySirG
```

2. Write a python script to print first N natural numbers.

```
n=int(input("Enter a number:"))
i=1
while i<=n:
    print(i,end=" ")
    i=i+1
```

Output:-

```
Enter a number:5
1 2 3 4 5
```

3. Write a python script to print first N natural numbers in reverse order.

```
n=int(input("Enter a number:"))
i=1
while i<=n:
    print((n+1)-i,end=" ")
    i=i+1
```

Output:-

Enter a number:5

5 4 3 2 1

4. Write a python script to print first N odd natural numbers.

```
n=int(input("Enter a number:"))
```

```
i=1
```

```
while i<=n*2:
```

```
    print(i,end=" ")
```

```
    i=i+2
```

Output:-

Enter a number:5

1 3 5 7 9

5. Write a python script to print first N odd natural numbers in reverse order.

```
n=int(input("Enter a number:"))
```

```
i=1
```

```
m=n*2
```

```
while i<=m:
```

```
    print(m-i,end=' ')
```

```
    i=i+2
```

Output:-

Enter a number:5

9 7 5 3 1

6. Write a python script to print first N even natural numbers.

```
n=int(input("Enter a number:"))
```

```
i=1
```

```
while i<=n:
```

```
print(i*2,end=' ')
```

```
i=i+1
```

Output:-

Enter a number:5

2 4 6 8 10

7. Write a python script to print first N even natural numbers in reverse order.

```
n=int(input("Enter a number:"))
```

```
i=2
```

```
m=n*2
```

```
while i<=m:
```

```
    print(m+2-i,end=' ')
```

```
    i=i+2
```

Output:-

Enter a number:5

10 8 6 4 2

8. Write a python script to print squares of first N natural numbers.

```
n=int(input("Enter a number:"))
```

```
i=1
```

```
while i<=n:
```

```
    print(i**2,end=' ')
```

```
    i=i+1
```

Output:-

Enter a number:5

1 4 9 16 25

9. Write a python script to print cubes of first N natural numbers.

```
n=int(input("Enter a number:"))  
i=1  
while i<=n:  
    print(i**3,end=' ')  
    i=i+1
```

Output:-

Enter a number:5

1 8 27 64 125

10. Write a python script to print first 10 multiples of N.

```
n=int(input("Enter a number:"))  
i=1  
while i<=10:  
    print(i*n,end=' ')  
    i=i+1
```

Output:-

Enter a number:5

5 10 15 20 25 30 35 40 45 50