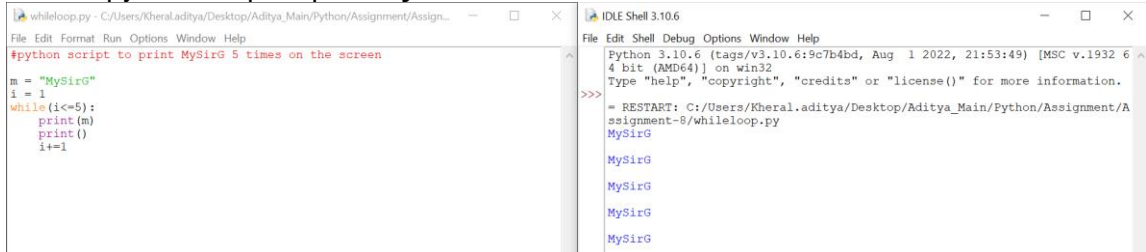


Assignment - 8 Full Stack Web Development using Python MySirG

While Loop

1. Write a python script to print **MySirG** 5 times on the screen

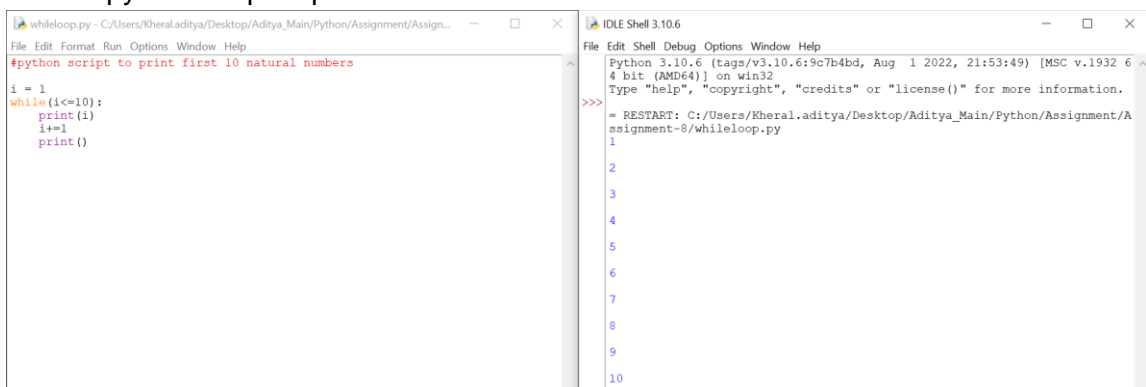


```
whileloop.py - C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assign...
File Edit Format Run Options Window Help
#python script to print MySirG 5 times on the screen

m = "MySirG"
i = 1
while(i<=5):
    print(m)
    print()
    i+=1
```

```
IDLE Shell 3.10.6
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 6
4 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/A
ssignment-8/whileloop.py
MySirG
MySirG
MySirG
MySirG
MySirG
```

2. Write a python script to print first 10 natural numbers

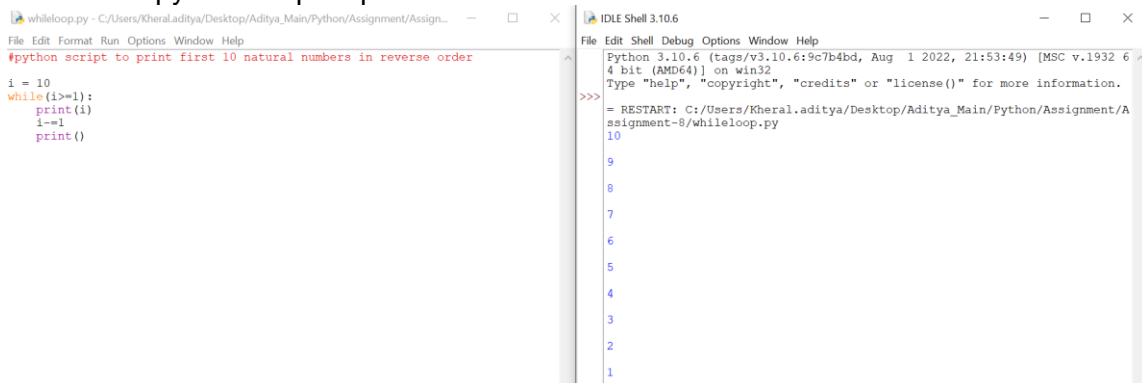


```
whileloop.py - C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assign...
File Edit Format Run Options Window Help
#python script to print first 10 natural numbers

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

```
IDLE Shell 3.10.6
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 6
4 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/A
ssignment-8/whileloop.py
1
2
3
4
5
6
7
8
9
10
```

3. Write a python script to print first 10 natural numbers in reverse order

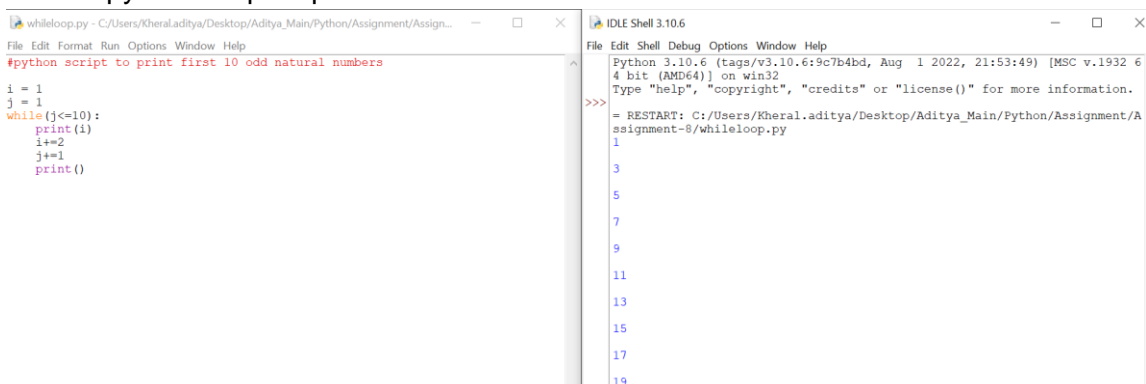


```
whileloop.py - C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assign...
File Edit Format Run Options Window Help
#python script to print first 10 natural numbers in reverse order

i = 10
while(i>=1):
    print(i)
    i-=1
    print()
```

```
IDLE Shell 3.10.6
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 6
4 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/A
ssignment-8/whileloop.py
10
9
8
7
6
5
4
3
2
1
```

4. Write a python script to print first 10 odd natural numbers



```
whileloop.py - C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assign...
File Edit Format Run Options Window Help
#python script to print first 10 odd natural numbers

i = 1
j = 1
while(j<=10):
    print(i)
    i+=2
    j+=1
    print()
```

```
IDLE Shell 3.10.6
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 6
4 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/A
ssignment-8/whileloop.py
1
3
5
7
9
11
13
15
17
19
```

5. Write a python script to print first 10 odd natural numbers in reverse order

```
whileloop.py - C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assign...
File Edit Format Run Options Window Help
#python script to print first 10 odd natural numbers in reverse order
n = int(input("Enter the number: "))
i = 1
j = 0
count = 2*n-1
while (i<=n):
    rev = count - j
    print(rev)
    print(i)
    j+=2
    i+=1

IDLE Shell 3.10.6
File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assignment-8/whileloop.py
Enter the number: 10
19
17
15
13
11
9
7
5
3
1
```

6. Write a python script to print first 10 even natural numbers

```
whileloop.py - C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assign...
File Edit Format Run Options Window Help
#python script to print first 10 even natural numbers
n = int(input("How many even numbers you want to print: "))
i = 1
while (i<=n):
    print(i*2)
    i+=1

IDLE Shell 3.10.6
File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
10= RESTART: C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assignment-8/whileloop.py
How many even numbers you want to print: 10
2
4
6
8
10
12
14
16
18
20
```

7. Write a python script to print first 10 even natural numbers in reverse order

```
whileloop.py - C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assign...
File Edit Format Run Options Window Help
#a python script to print first 10 even natural numbers in reverse order
n = int(input("How many even numbers you want to print: "))
i = 1
j=0
reverse = 2*n
while (i<=n):
    rev = reverse - j
    print(rev)
    print(i)
    j+=2
    i+=1

IDLE Shell 3.10.6
File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assignment-8/whileloop.py
How many even numbers you want to print: 10
20
18
16
14
12
10
8
6
4
2
```

8. Write a python script to print squares of first 10 natural numbers

```
whileloop.py - C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assign...
File Edit Format Run Options Window Help
#a python script to print squares of first 10 natural numbers
n = int(input("Enter the number:"))
i = 1
while (i<=n):
    square = i**2
    i+=1
    print(square)
    print(i)

IDLE Shell 3.10.6
File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Kheral.aditya/Desktop/Aditya_Main/Python/Assignment/Assignment-8/whileloop.py
Enter the number:10
1
4
9
16
25
36
49
64
81
100
```

9. Write a python script to print cubes of first 10 natural numbers

```
File Edit Format Run Options Window Help
#a python script to print cubes of first 10 natural numbers
n = int(input("Enter the number:"))
i = 1
while (i<=n):
    square = i**3
    i+=1
    print(square)
    print()

File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Kheral.aditya\Desktop\Aditya_Main\Python\Assignment\Assignment-8\whileloop.py
Enter the number:10
1
8
27
64
125
216
343
512
729
1000
>>>
```

10. Write a python script to print first 10 multiples of 5

```
whileloop.py - C:\Users\Kheral.aditya\Desktop\Aditya_Main\Python\Assignment\Assignment-8\whileloop.py
File Edit Format Run Options Window Help
#a python script to print cubes of first 10 natural numbers
n = int(input("Enter the number:"))
i = 1
while (i<=n):
    multi = i*5
    i+=1
    print(multi)
    print()

File Edit Shell Debug Options Window Help
IDLE Shell 3.10.6
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Kheral.aditya\Desktop\Aditya_Main\Python\Assignment\Assignment-8\whileloop.py
Enter the number:5
5
10
15
20
25
>>>
= RESTART: C:\Users\Kheral.aditya\Desktop\Aditya_Main\Python\Assignment\Assignment-8\whileloop.py
Enter the number:10
5
10
15
20
25
30
35
40
45
50
>>>
```