

Module 3 : Python Assignment

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2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

.....

Program 1:
Write a python program to test a given number is prime or not.

Program 2:
Write a program to generate odd numbers from m to n using while loop

Program 3:
Write a Python program to display prime number series up to given number.

Program 4:
Write a Python program to generate Fibonacci series.

Explore

Spyder

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C:\Users\Admin\OneDrive\Desktop

fibonacci.py x checkprime.py* x

```
1 # -*- coding: utf-8 -*-
2 """
3 Created on Mon Sep 26 23:30:05 2022
4
5 @author: Admin
6 """
7
8 n = int(input("Enter number"))
9 for x in range(2,n):
10     if n % x ==0:
11         break
12 if x+1 == n:
13     print(n, "is a prime no")
14 else:
15     print(n, "is not a prime no")
```

Usage

Here you can get help of any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console.

Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in **Preferences > Help**.

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Help Variable Explorer Plots Files

Console 1/A x

```
Python 3.6.10 (tags/v3.6.10:506995d, May 3 2021, 11:40:03) [AMD64 v.1920 04 D16 (ARM64)]
Type "copyright", "credits" or "license()" for more information.

IPython 7.34.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/Users/Admin/OneDrive/Desktop/fibonacci.py', wdir='C:/Users/Admin/OneDrive/Desktop')
Enter number of terms10
0 1 1 2 3 5 8 13 21 34

In [2]: runfile('C:/Users/Admin/OneDrive/Desktop/checkprime.py', wdir='C:/Users/Admin/OneDrive/Desktop')
Enter number4677
4677 is not a prime no

In [3]:
```

IPython Console History Terminal

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C:\Users\Admin\OneDrive\Desktop

fibonacci.py x checkprime.py x while loop.py x

```
1 # -*- coding: utf-8 -*-
2 """
3 Created on Mon Sep 26 23:39:54 2022
4
5 @author: Admin
6 """
7
8 s = int(input("Enter starting point:"))
9 e = int(input("Enter Ending point:"))
10 n = s
11 while n<=e:
12     if n%2 != 0:
13         print(n)
14     n = n+1
```

Source Console Object

Usage

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Help Variable Explorer Plots Files

Console 1/A x

```
4677 is not a prime no

In [3]: runfile('C:/Users/Admin/OneDrive/Desktop/while Loop.py', wdir='C:/Users/Admin/OneDrive/Desktop')
Enter starting point:10
Enter Ending point:50
11
13
15
17
19
21
23
25
27
29
```

IPython Console History Terminal





