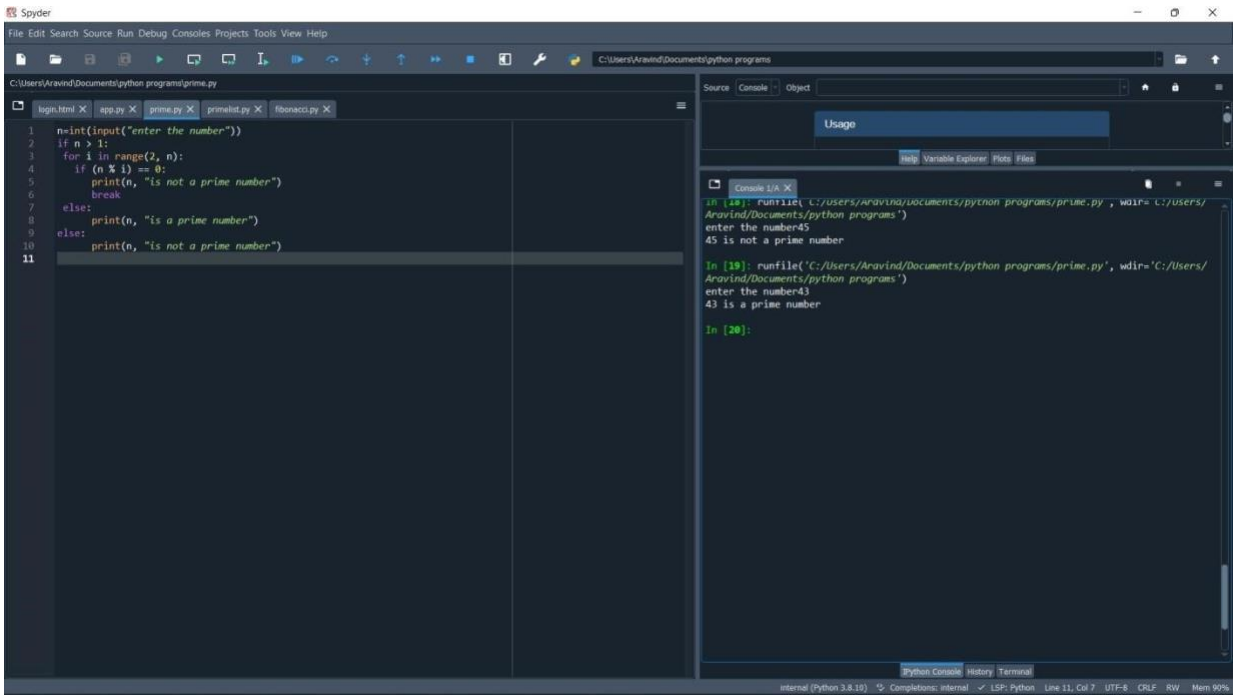
ASSIGNMENT 1

Assignment Date	24 September 2022
Student Name	Ms. Nandini D
Student Roll Number	952819104033
Maximum Marks	2 Marks
Team ID	PNT2022TMID50561

1. Write a python program to test a given number is prime or not Program n=int(input("enter the number")) if n > 1: for i in range(2, n): if (n % i) == 0:
print(n, "is not a prime number")
break else:
print(n, "is a prime number") else:
print(n, "is not a prime number")

OUTPUT:

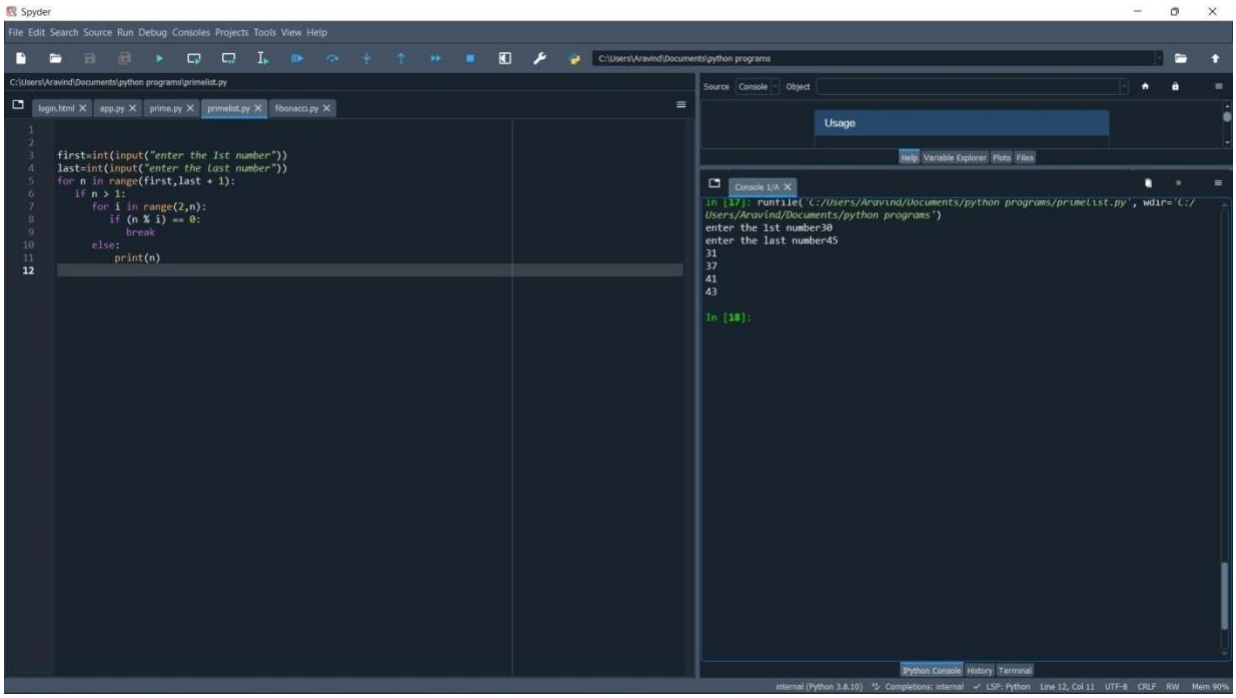
3. Write a python program to display prime number series up to given number



Program:

```
first=int(input("enter the 1st number"))
last=int(input("enter the last number"))
for n in range(first,last + 1): if n > 1: for
i in range(2,n): if (n % i) == 0:
break else:
print(n)
```

OUTPUT:

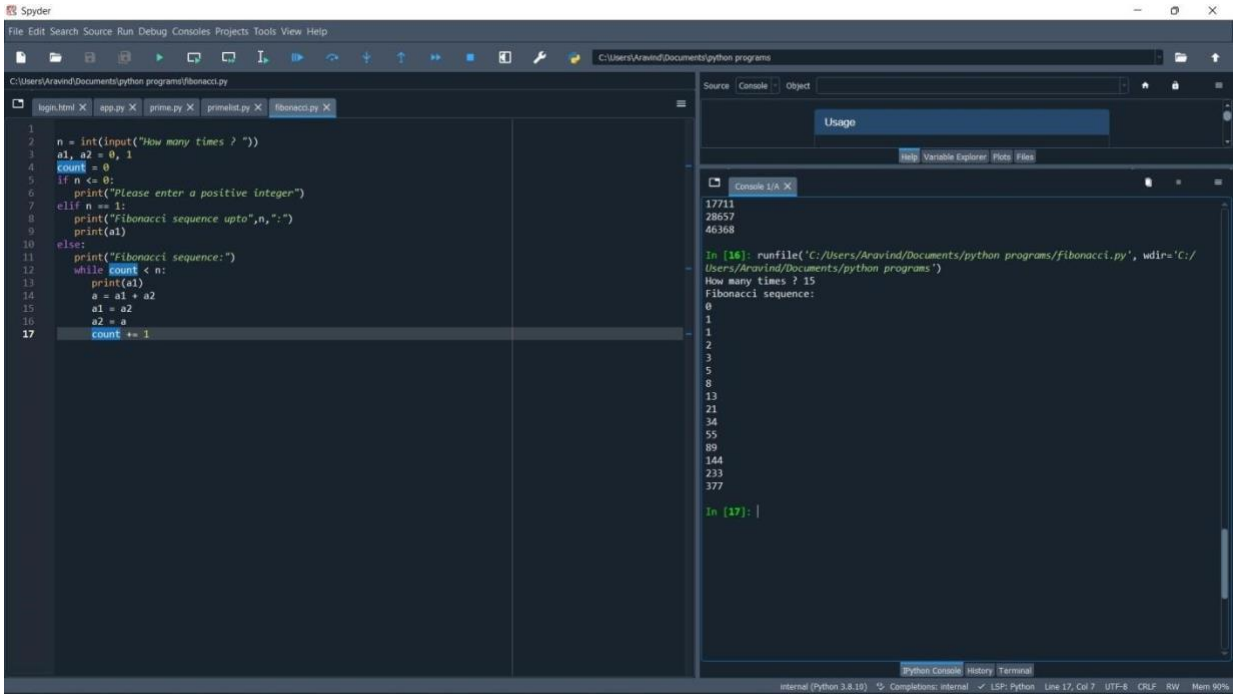


4. Write a python program to generate fibonacci series Program: n = int(input("How many times ? "))

```
a1, a2 = 0, 1 count = 0
if n <= 0:
print("Please enter a positive integer")
elif n == 1: print("Fibonacci sequence
upto",n,":") print(a1) else:
```

```
print("Fibonacci sequence:") while
count < n:
print(a1) a
= a1 + a2
a1 = a2 a2
= a count
+= 1
```

OUTPUT:

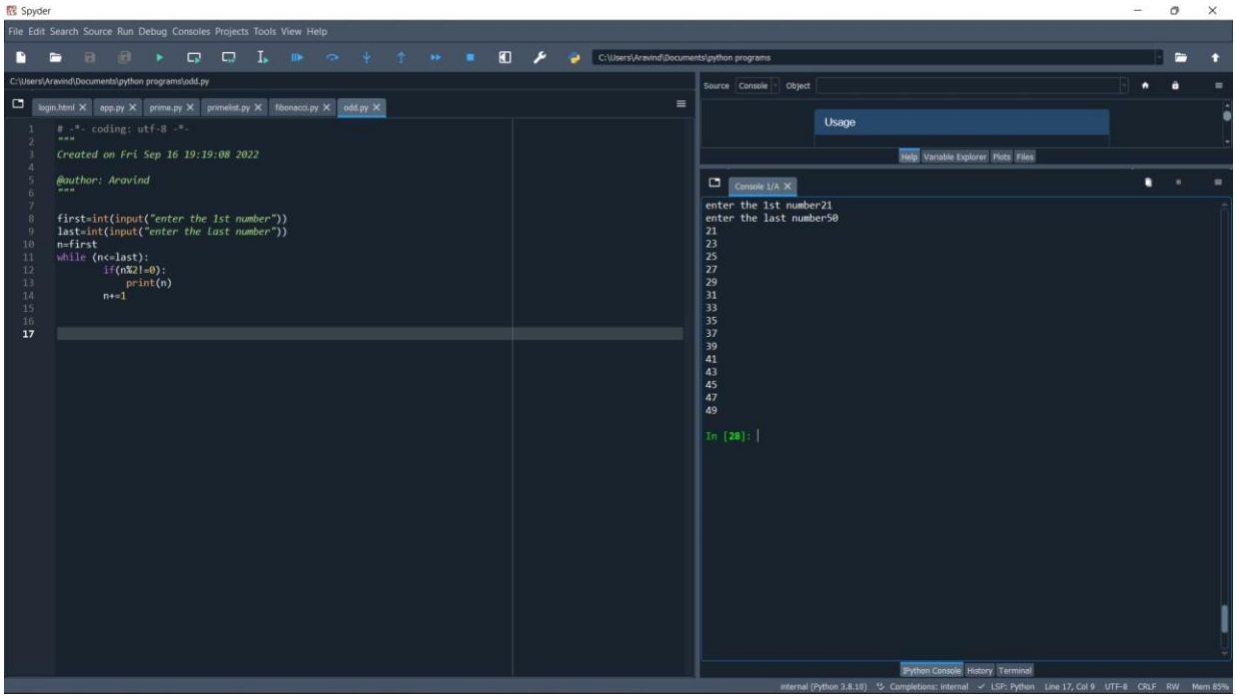


4.Write a program to generate odd numbers from m to n using while loop.

Program:

```
m=int(input("enter the 1st number"))
n=int(input("enter the last number"))
p=m while (p<=n):
        if(n%2!=0):
            print(n) p+=1
```

OUTPUT:


Spyder
File Edit Search Source Run Debug Consoles Projects Tools View Help
C:\Users\Aravind\Documents\python programs
C:\Users\Aravind\Documents\python programs\odd.py
login.html
app.py
prime.py
primelist.py
fibonacci.py
odd.py
-*- coding: utf-8 -*-
"""
Created on Fri Sep 16 19:19:08 2022
@author: Aravind
"""
first=int(input("enter the 1st number"))
last=int(input("enter the last number"))
n=first
while (n<=last):
if(n%2!=0):
print(n)
n+=1
Source
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Object
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Variable Explorer
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enter the last number50
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In [28]:
IPython Console
History
Terminal
internal (Python 3.8.10)
Completions: internal
LSP: Python
Line 17, Col 9
UTF-8
CRLF
RW
Mem 85%