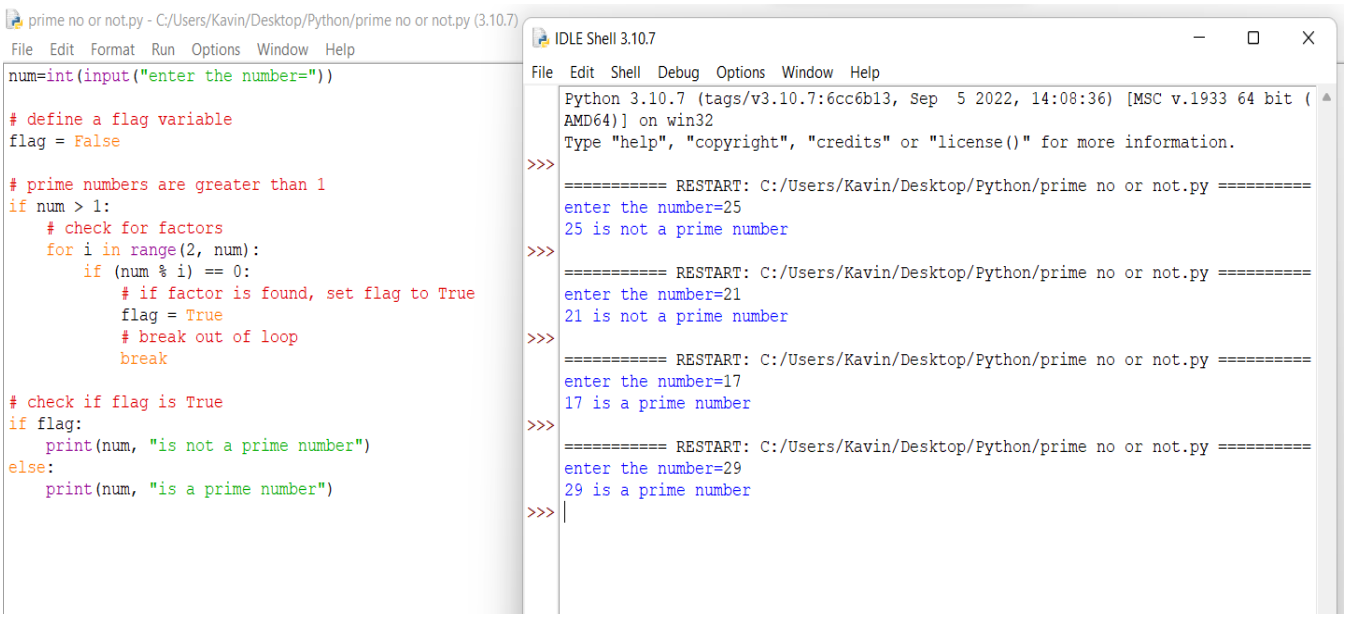
ASSIGNMENT-1

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

Program:

```
num=int(input("enter the number="))
flag = False
if num > 1:
    for i in range(2, num):
        if (num % i) == 0:
            flag = True
            break
if flag:
    print(num, "is not a prime number")
else:
    print(num, "is a prime number")
```

Output:

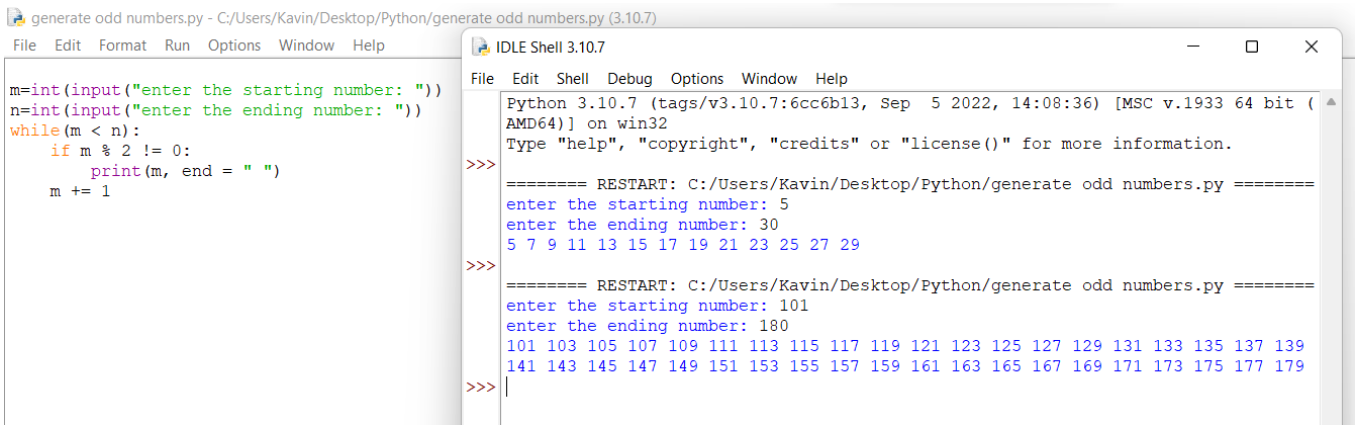


2.Write a program to generate odd numbers from m to n using while loop.

Program:

```
m=int(input("enter the starting number"))
n=int(input("enter the ending number"))
 while(m < n):
   if m % 2 != 0:
      print(m, end = " ")
   m += 1
```

Output:



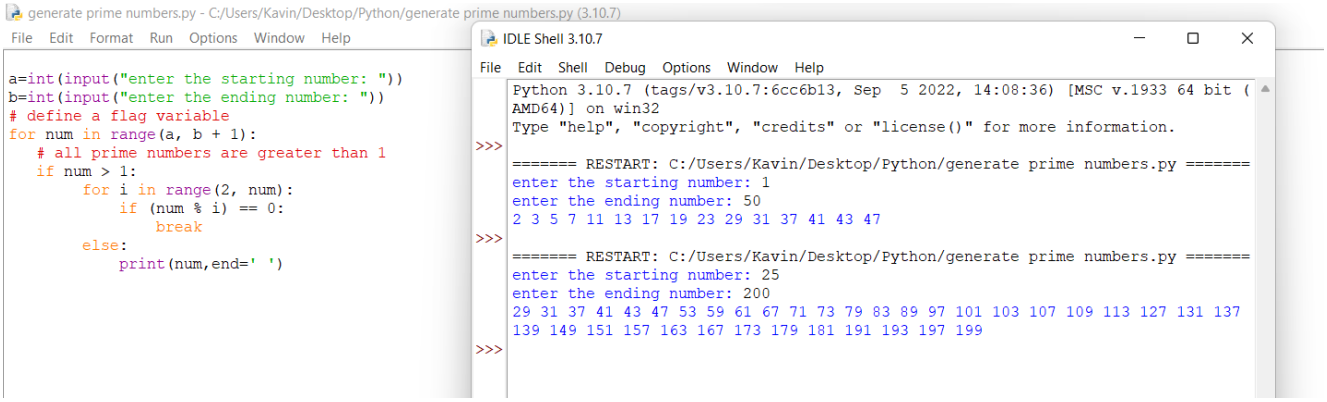
3.Write a program to display prime numbers series up to given number.

Program:

```
a=int(input("enter the starting number: "))
b=int(input("enter the ending number: "))
for num in range(a, b + 1):
  if num > 1:
     for i in range(2, num):
        if (num % i) == 0:
           break
```

```
    else:
        print(num,end=' ')
```

Output:



4. Write a program to generate Fibonacci series

Program:

```
num=int(input("Enter the number of terms: "))
a=0;
b=1;
for i in range(1,num):
    print(a,end=' ')
    result=a+b
    a=b
    b=result;
```

Output: