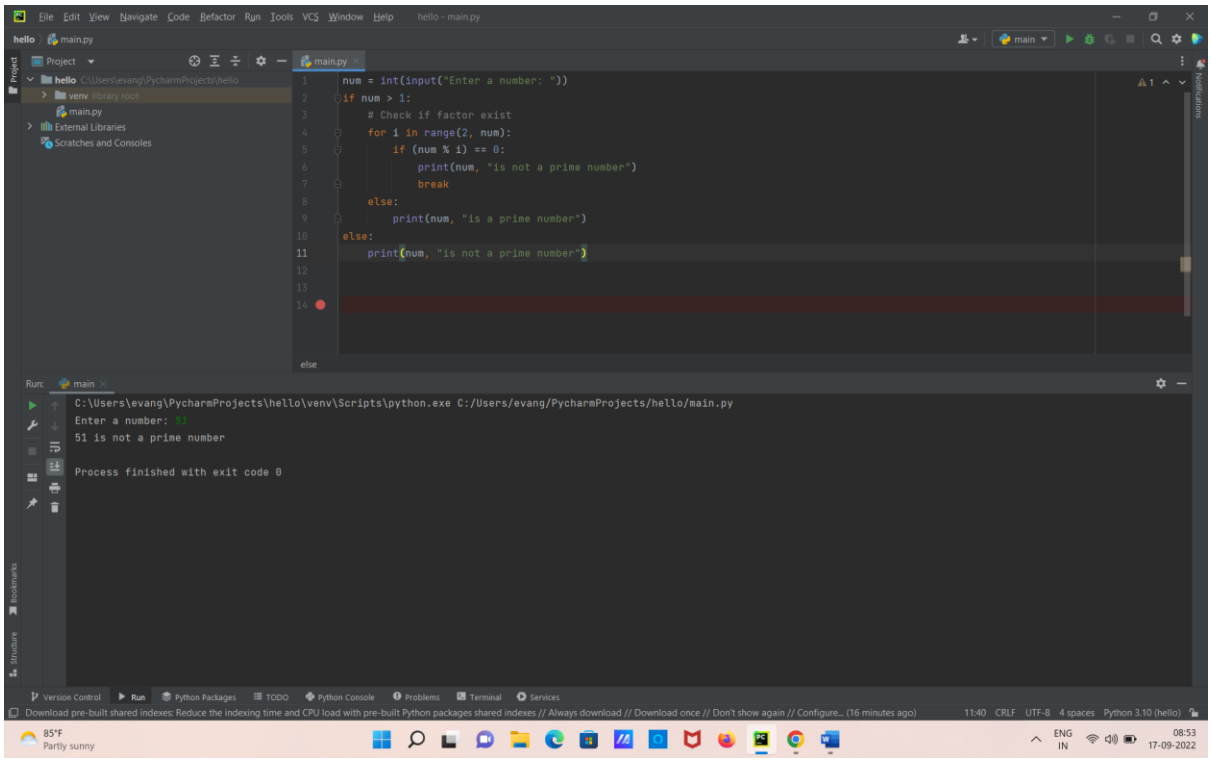
IBM ASSIGNMENT 1

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:

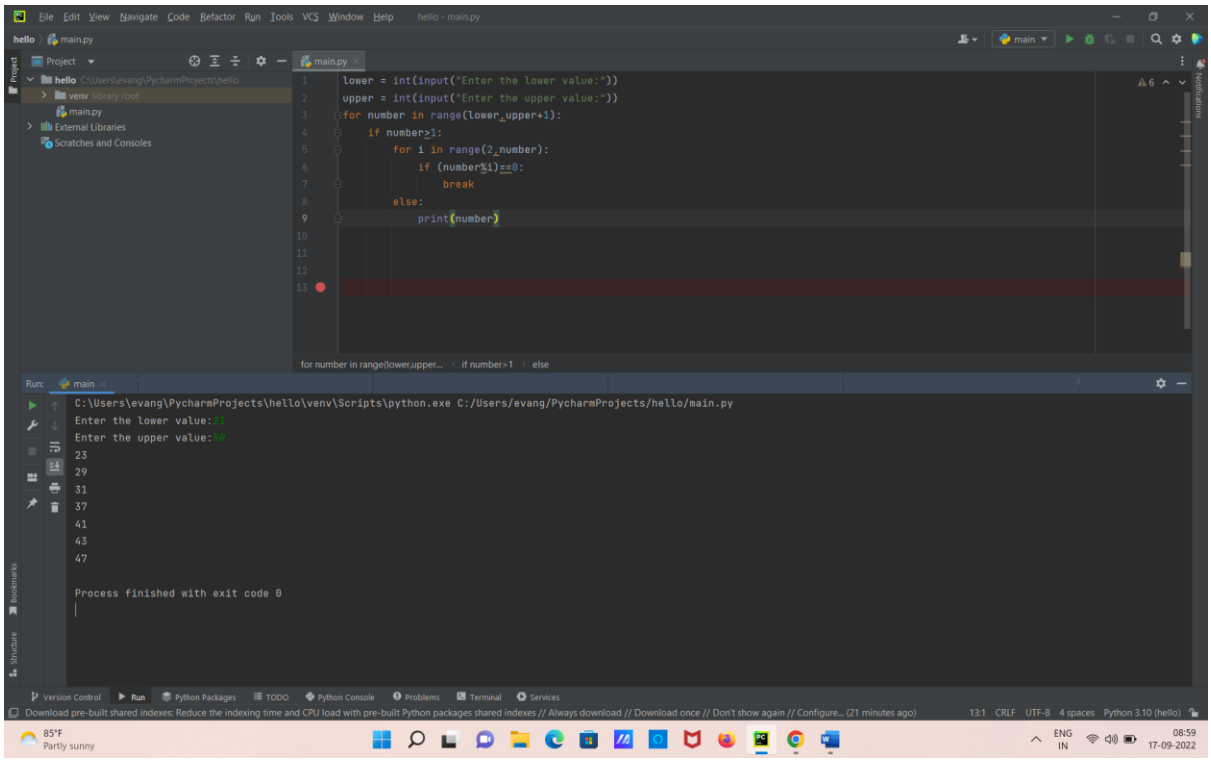


2.Write a python program to display prime number series up to given number

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:

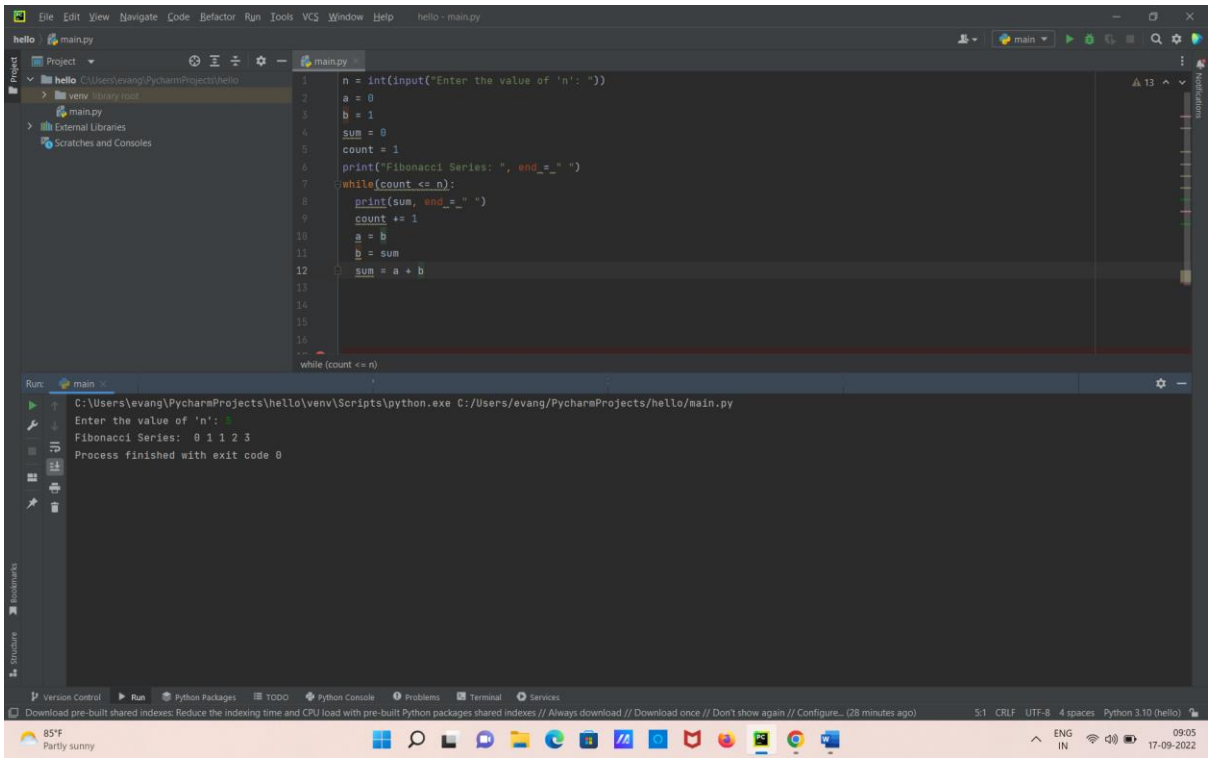


3. Write a python program to generate fibonacci series

Program:

```
n=int(input(“ENTER THE VALUE OF N:”))
a=0
b=1
sum=0
count=1
print(“Fibonnaci Series:”,end =” “)
while(count<=n):
print(sum,end=” ”)
count += 1
a=b
b=sum
sum=a+b
```

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(p%2!=0):
            print(p)
        p+=1
```

OUTPUT: