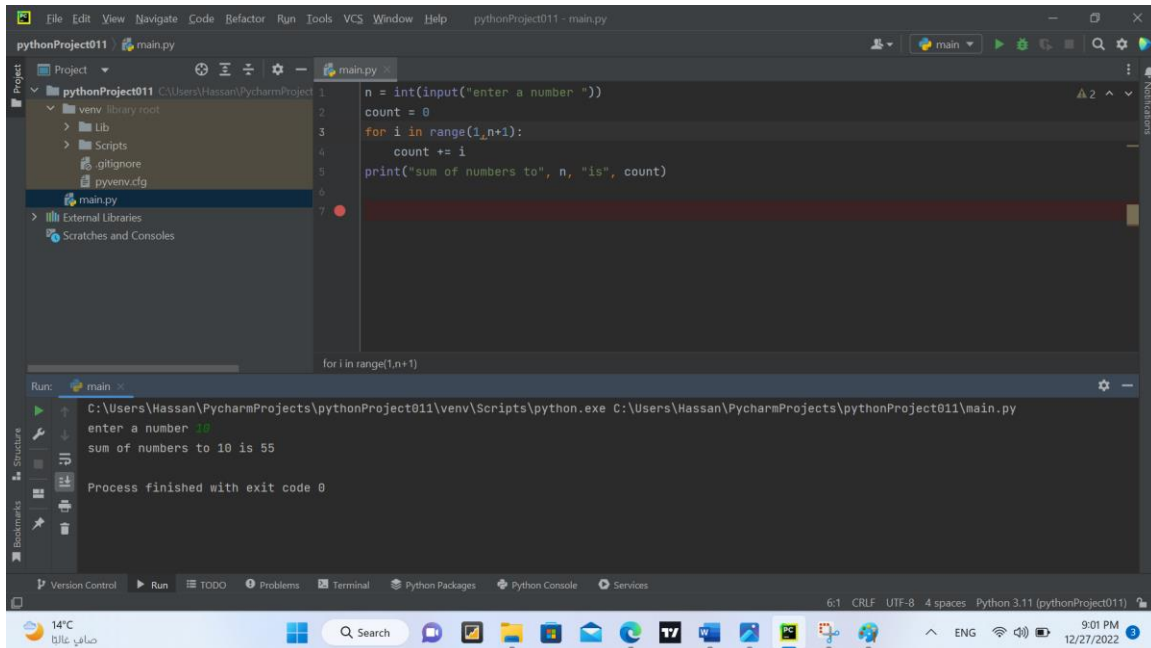


1. Program1: Write a program to accept a number from a user and calculate the sum of all numbers from 1 to a given number.

Expected run of this program: Enter a number: 10, Sum of numbers to 10 is 55

Solution:

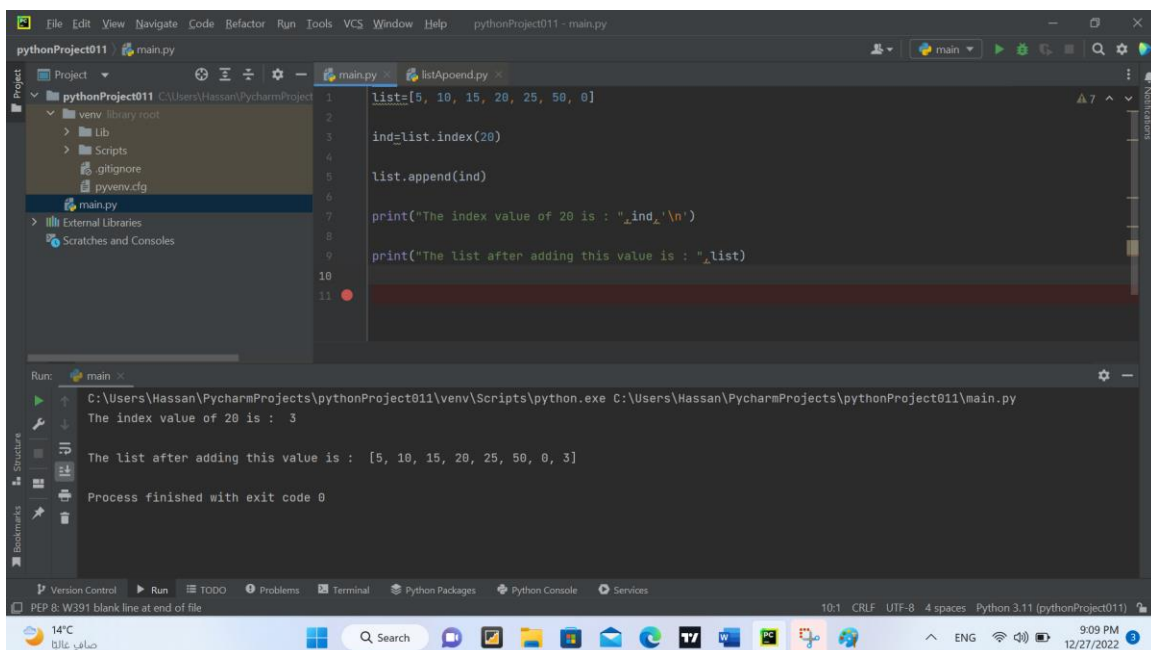


```
pythonProject011 - main.py
1 n = int(input("enter a number "))
2 count = 0
3 for i in range(1,n+1):
4     count += i
5 print("sum of numbers to", n, "is", count)
6
7
Run: main
C:\Users\Hassan\PycharmProjects\pythonProject011\venv\Scripts\python.exe C:\Users\Hassan\PycharmProjects\pythonProject011\main.py
enter a number 10
sum of numbers to 10 is 55
Process finished with exit code 0
```

2. Program2: using this list [5, 10, 15, 20, 25, 50, 0]. Write a program to find the index of the value 20 in the list. Then add this index value to the list.

Expected run: The index value of 20 is: 3, The list after adding this value is [5, 10, 15, 20, 25, 50, 0, 3]

Solution:



```
pythonProject011 - main.py
1 list=[5, 10, 15, 20, 25, 50, 0]
2 ind=list.index(20)
3 list.append(ind)
4
5 print("The index value of 20 is : ",ind,'\n')
6
7 print("The list after adding this value is : ",list)
8
9
10
11
Run: main
C:\Users\Hassan\PycharmProjects\pythonProject011\venv\Scripts\python.exe C:\Users\Hassan\PycharmProjects\pythonProject011\main.py
The index value of 20 is : 3
The list after adding this value is : [5, 10, 15, 20, 25, 50, 0, 3]
Process finished with exit code 0
```