Assignment No : 2

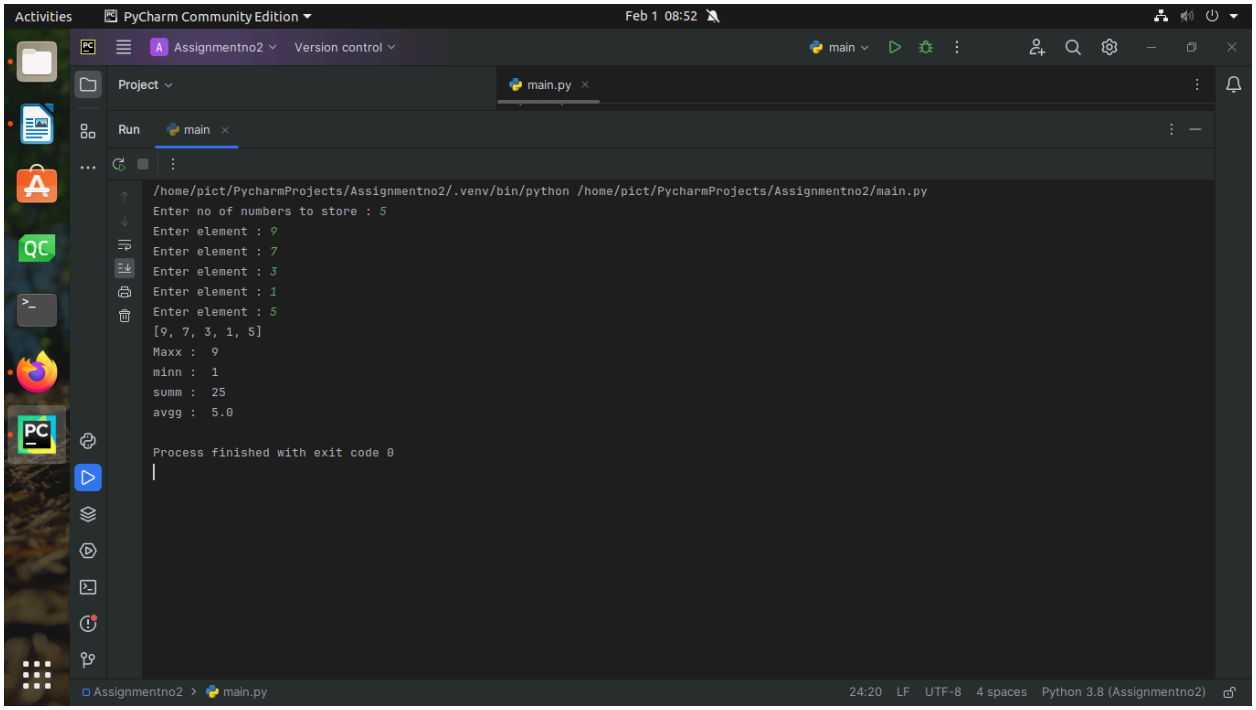
Q. Write a program in Python to accept N numbers from user. Compute and display maximum in list, minimum in list, sum and average of numbers.

```
limit=int(input('Enter no of numbers to store : '))

if(limit>0):

       L1=[]

       for i in range(limit):

           ele=int(input('Enter element : '))

           L1.append(ele)

       print(L1)



       maxx = L1[0]

       for i in range (limit):

           if(L1[i] > maxx):

               maxx = L1[i]

       print('Maxx : ', maxx)



       minn = L1[0]

       for i in  range (limit):

           if(L1[i] < minn):

               minn = L1[i]

       print('minn : ', minn)
```

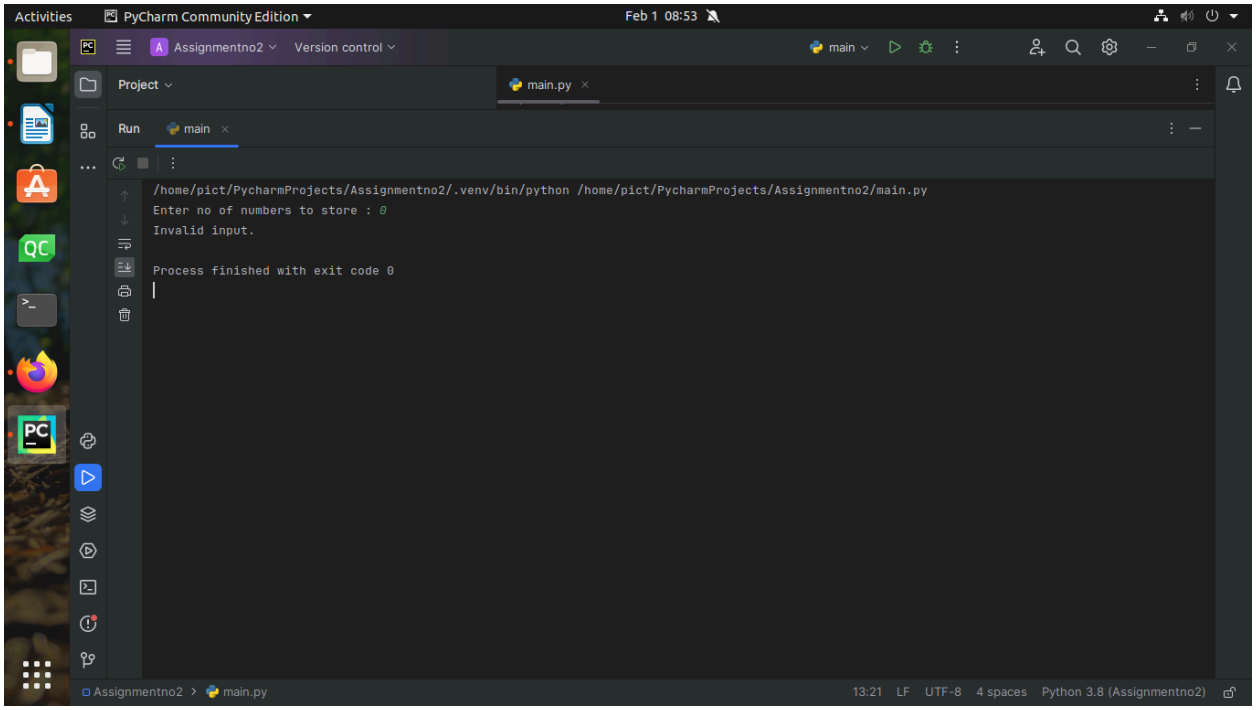
```
        summ = 0

        for i in range (limit):

            summ = summ + L1[i]

        print('summ : ', summ)



        avgg = 0

        avgg = (summ / limit)

        print('avgg : ', avgg)

else:

   print('Invalid Input')
```

OUTPUT :

1.


Activities
PyCharm Community Edition
Feb 1 08:52
Assignmentno2
Version control
main
Project
main.py
Run
main
/home/pict/PycharmProjects/Assignmentno2/.venv/bin/python /home/pict/PycharmProjects/Assignmentno2/main.py
Enter no of numbers to store : 5
Enter element : 9
Enter element : 7
Enter element : 3
Enter element : 1
Enter element : 5
[9, 7, 3, 1, 5]
Maxx : 9
minn : 1
summ : 25
avgg : 5.0
Process finished with exit code 0
Assignmentno2 > main.py
24:20 LF UTF-8 4 spaces Python 3.8 (Assignmentno2)

2.



Q. Write a program in python to accept list of N integers and partition list into two sub lists even and odd numbers.

```
limit=int(input('Enter no of numbers to store : '))

if(limit>0):

   L1=[]

   for i in range(limit):

       ele=int(input('Enter element : '))

       L1.append(ele)

       print(L1)



   L_even = []

   L_odd = []
```

```
    for i in range(limit):

        if(L1[i] % 2 ) == 0:

            L_even.append(L1[i])

        else:

            L_odd.append(L1[i])



    print('even : ',L_even)

    print('odd : ',L_odd)

else:

    print('Invalid')
```

Output :