Assignment No : 3

Q. Write a program in Python to accept from user the number of Fibonacci numbers to be generated and print the Fibonacci series.

```python
No=int(input('Enter no of terms : '))

a = 0

b = 1

sum=0

print(a)

for i in range (No-1):

    sum=a+b

    print(b)

    a=b

    b=sum
```
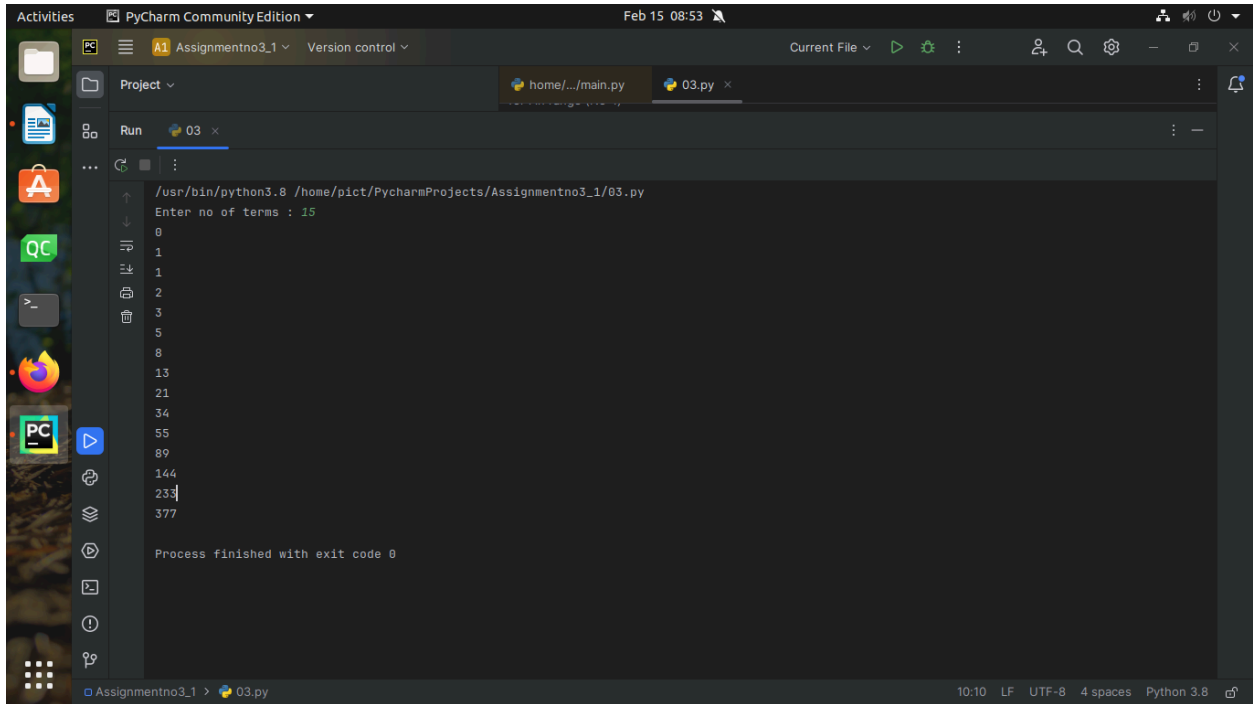
Output :

Q.

Write a program in Python to accept student's five courses marks and compute his/her result. Student is passing if he/she scores marks equal to and above 40 in each course. If student scores aggregate greater than 75%, then the grade is distinction.

If aggregate is 60>= and <75 then the grade if first division.

If aggregate is 50>= and <60, then the grade is second division.

If aggregate is 40>= and <50, then the grade is third division.

```
c1 = float(input('Enter marks in courses1 : '))

c2 = float(input('Enter marks in courses2 : '))

c3 = float(input('Enter marks in courses3 : '))

c4 = float(input('Enter marks in courses4 : '))

c5 = float(input('Enter marks in courses5 : '))
```

```python
sum=(c1+c2+c3+c4+c5)

per=(sum/5)

flag = 0


if ( (c1>40) and (c2>40) and (c3>40) and (c4>40) and (c5>40) ) :

    print("Student Passed")

else:

    if (c1<40):

        flag += 1

    if (c2<40):

        flag += 1

    if (c3<40):

        flag += 1

    if (c4<40):

        flag += 1

    if (c5<40):

        flag += 1


print("Percentage : ", per)

if (flag>0):

    print("Student is failed in ", flag," subject.")


if (per >= 75):

    print("Grade : Distinction")

elif ((per >= 60) and (per < 75)):
```

```python
    print("Grade : First Division")

elif ((per >= 50) and (per < 60)):

    print("Grade : Second Division")

elif ((per >= 40) and (per < 50)):

    print("Grade : Third Division")

else:

    print("Student Failed")
```
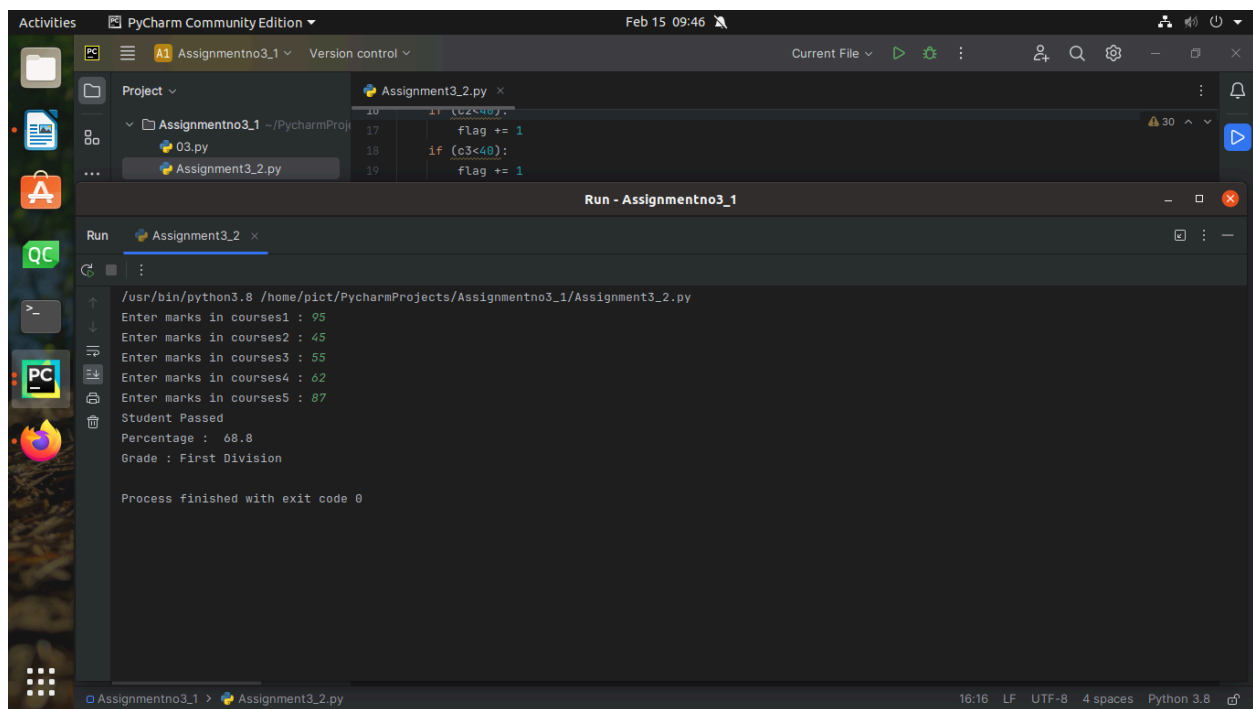
Output :

A1 Assignmentno3_1 ▾   Version control ▾   Current File ▾

Project ▾

▼ ☐ Assignmentno3_1 ~/PycharmProj
     🐍 03.py
     🐍 Assignment3_2.py

🐍 Assignment3_2.py ✕

```
16    if (c2<40):
17        flag += 1
18    if (c3<40):
19        flag += 1
```

Run - Assignmentno3_1

Run   🐍 Assignment3_2 ✕

```
/usr/bin/python3.8 /home/pict/PycharmProjects/Assignmentno3_1/Assignment3_2.py
Enter marks in courses1 : 12
Enter marks in courses2 : 45
Enter marks in courses3 : 36
Enter marks in courses4 : 32
Enter marks in courses5 : 95
Percentage :  44.0
Student is failed in  3  subject.
Grade : Third Division

Process finished with exit code 0
```