Worksheet 1.1

Student Name:	**UID:**
Branch: CSE	**Section/Group :**
Semester: 4rd	**Date of Performance:**
Subject Name : Python Lab	

Q1. Write a program c to enter two number and perform all the arithmetic operations.

Code:

```
a = eval(input("Enter the First Number : "))
b = eval(input("Enter the Second Number : "))

#Arthematic operation are ass following
"""Addition"""

c = a+b
print("The Sum of the number is : ", c)


"""Substraction"""

c = a-b
print("The difference of the number is : ", c)


"""Multiply"""

c = a*b
print("The Product of the number is : ", c)
```
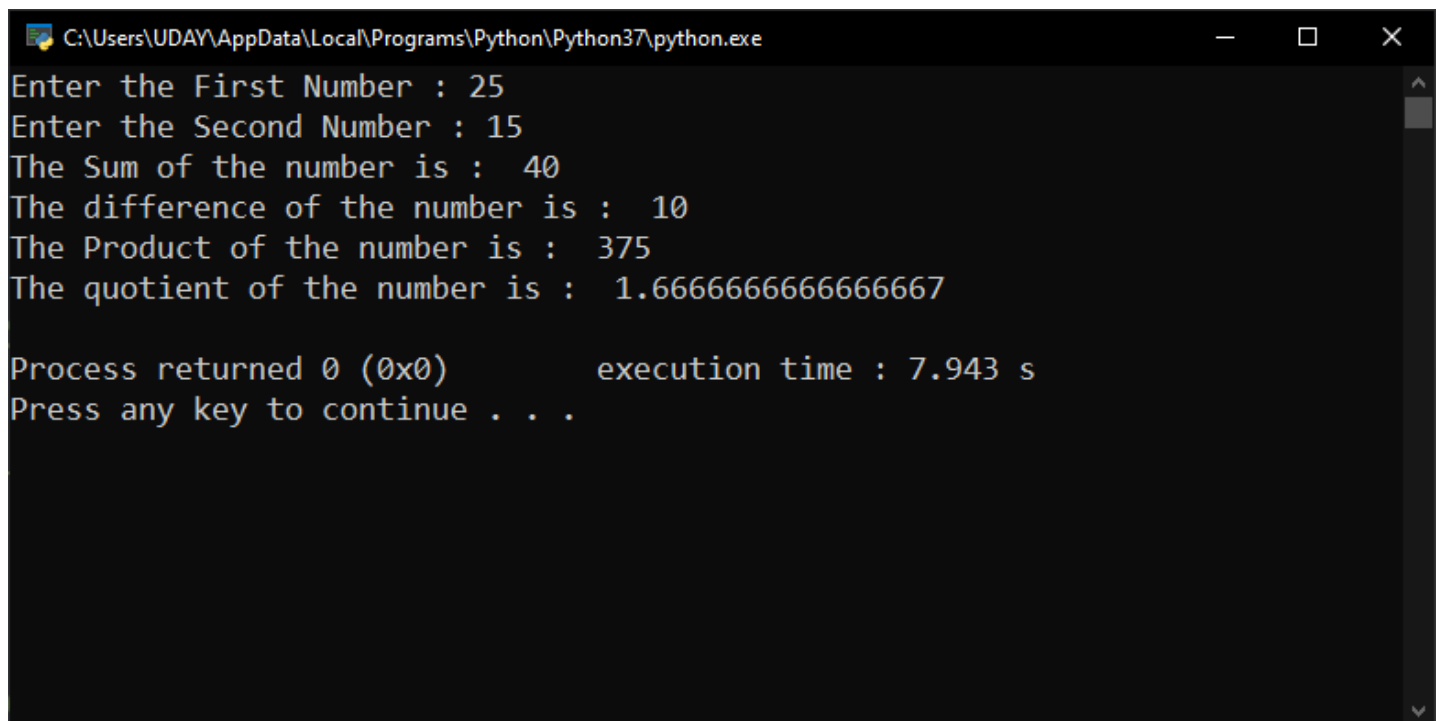
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```
"""Division"""

c = a/b
print("The quotient of the number is : ", c)
```

Output:=

```
C:\Users\UDAY\AppData\Local\Programs\Python\Python37\python.exe

Enter the First Number : 25
Enter the Second Number : 15
The Sum of the number is :  40
The difference of the number is :  10
The Product of the number is :  375
The quotient of the number is :  1.6666666666666667


Process returned 0 (0x0)          execution time : 7.943 s
Press any key to continue . . .
```

Q2 Write a program to enter the marks of five subjects and calculate total, average and percentage.
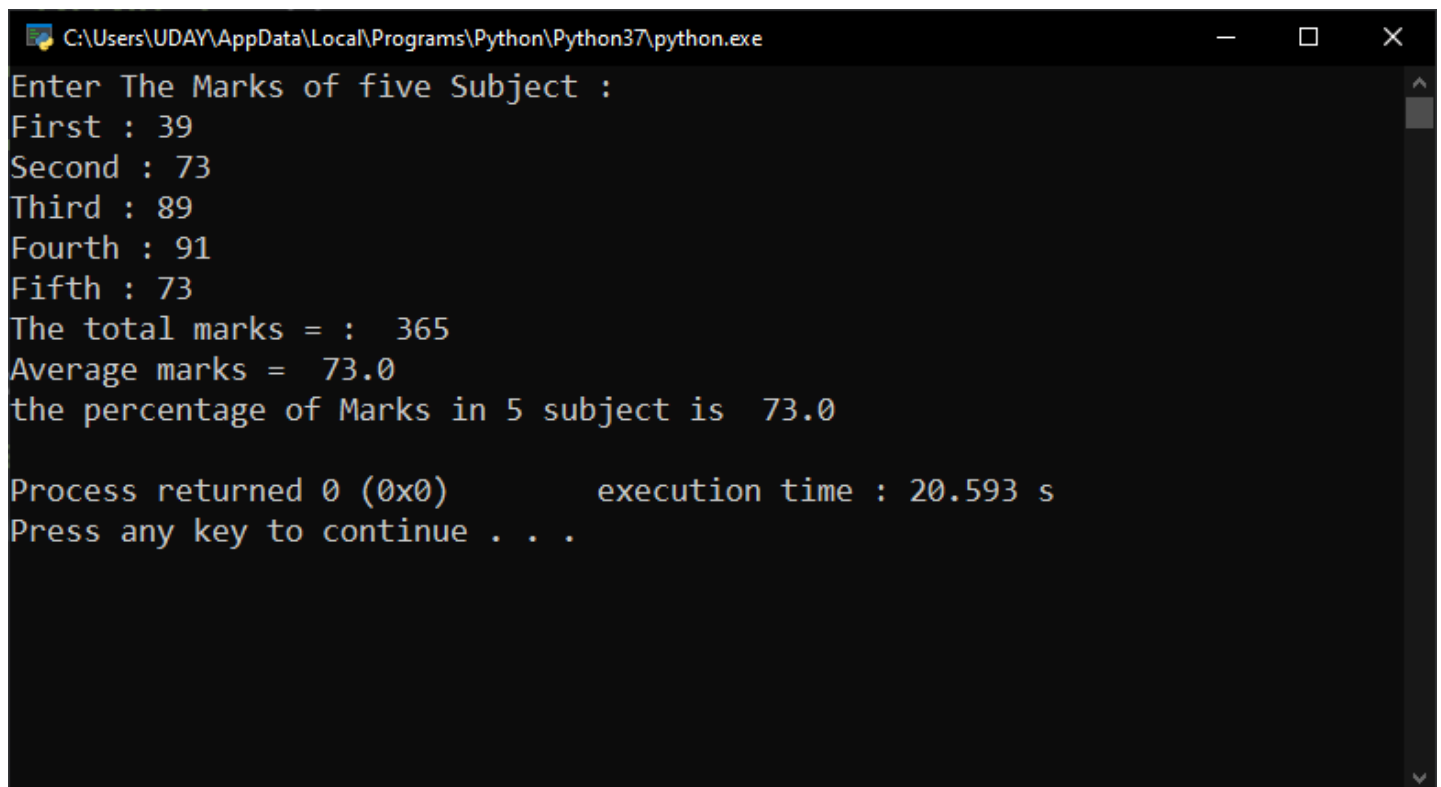
Code:

```
print("Enter The Marks of five Subject : ")
a = int(input("First : "))
b = int(input("Second : "))
```

```
c = int(input("Third : "))
d = int(input("Fourth : "))
e = int(input("Fifth : "))

#total marks
total= (a+b+c+d+e)
print("The total marks = : ", total)
#average calculation
Avg = total/5
print("Average marks = ",Avg)
#percentage
perc = (total/500)*100
print("the percentage of Marks in 5 subject is ",perc)
```

Output:-

```
C:\Users\UDAY\AppData\Local\Programs\Python\Python37\python.exe                    —    □    ×
Enter The Marks of five Subject :
First : 39
Second : 73
Third : 89
Fourth : 91
Fifth : 73
The total marks = :   365
Average marks =  73.0
the percentage of Marks in 5 subject is  73.0

Process returned 0 (0x0)           execution time : 20.593 s
Press any key to continue . . .
```

Q3. Write a program to enter the length in a centimeter and convert it into meter and kilometer, and also convert the same Equivalents.

Code:

```
a = float(input("Enter the Length in centimeter : "))
m = a/100
km = a/100000
yard = a/91.44
foot = a/ 30.48
inch = a/ 2.54
a= int(a)
print("The lenth of ", a ," centimeter in Meter = ", m)
print("The lenth of ", a ," centimeter in Kilometer = ", km)
print("/n----------More equivalents are as followed : ------------/n")
print("The lenth of ", a ," centimeter in yard = ", yard)
print("The lenth of ", a ," centimeter in foot = ", foot)
print("The lenth of ", a ," centimeter in inch = " ,inch)
```

Output:-

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```
C:\Users\UDAY\AppData\Local\Programs\Python\Python37\python.exe                    —    □    ✕

Enter the Length in centimeter : 25
The lenth of  25  centimeter in Meter =  0.25
The lenth of  25  centimeter in Kilometer =  0.00025
/n---------More equivalents are as followed : -----------/n
The lenth of  25  centimeter in yard =  0.27340332458442695
The lenth of  25  centimeter in foot =  0.8202099737532809
The lenth of  25  centimeter in inch =  9.84251968503937


Process returned 0 (0x0)         execution time : 3.038 s
Press any key to continue . . .
```