EXPERIMENT -1.1

Name: Ravi Shankar Singh   **UID: 21BCS1619**
Branch: CSE   **Section/Group: 808-B**
Semester: 4th   **Date of Performance:**
Subject Name: Programming in Python lab   **Subject Code:** 21CSP-259

1. Aim:

1. Write a program to enter two numbers and perform all arithmetic operations.

2. Write a program to enter marks of five subjects and calculate total, average and percentage.

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

2. Source code:

1. Write a program to enter two numbers and perform all arithmetic operations.

```python
# 1.    Write a  program  to enter two numbers and perform all arithmetic operations.
num1 = int(input("Enter first number "))
num2 = int(input("Enter first number "))

print("Sum of ",num1," and ",num2," is ",num1+num2)
print("Subtraction  of ",num1," and ",num2," is ",num1-num2)
print("Multiplication of ",num1," and ",num2," is ",num1*num2)
print("Division of ",num1," and ",num2," is ",num1/num2)
```

2. Write a program to enter marks of five subjects and calculate total, average and percentage.

```python
# 2.   Write a  program to enter marks of five subjects and calculate total, average and percentage.

num1 = int(input("Enter the mark of first subject "))
num2 = int(input("Enter the mark of second subject "))
num3 = int(input("Enter the mark of third subject "))
num4 = int(input("Enter the mark of fourth subject "))
num5 = int(input("Enter the mark of fifth subject "))
total_marks= num1+num2+num3+num4+num5
print("Total marks is ",total_marks)
print("Average of the marks is ",total_marks/5)
print("Percentage of the marks is ",total_marks/5,"%")
```

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

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

num1 = int(input("Enter the length in centimeter "))
print(num1,"Centimeter in meter is ",num1/100,"meter")
print(num1,"Centimeter in kilometer is ",num1/1000,"Kilometer")
```

3. Output:

1.)

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS C:\Users\rs962\Desktop\Workshet code> python -u "c:\Users\rs962\Desktop\Workshet code\1.1.py"
Enter first number 6
Enter first number 3
Sum of  6  and  3  is  9
Subtraction  of  6  and  3  is  3
Multiplication of  6  and  3  is  18
Division of  6  and  3  is  2.0
PS C:\Users\rs962\Desktop\Workshet code>
```

2.)

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS C:\Users\rs962\Desktop\Workshet code> python -u "c:\Users\rs962\Desktop\Workshet code\1.1.py"
Enter the mark of first subject 60
Enter the mark of second subject 90
Enter the mark of third subject 80
Enter the mark of fourth subject 40
Enter the mark of fifth subject 70
Total marks is  340
Average of the marks is  68.0
Percentage of the marks is  68.0 %
PS C:\Users\rs962\Desktop\Workshet code>
```

3.)

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS C:\Users\rs962\Desktop\Workshet code> python -u "c:\Users\rs962\Desktop\Workshet code\1.1.py"
Enter the length in centimeter 50000
50000 Centimeter in meter is  500.0 meter
50000 Centimeter in kilometer is  50.0 Kilometer
PS C:\Users\rs962\Desktop\Workshet code>
```