WORKSHEET 1.1

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Subject Name: Programming in Python **Subject Code: 21CSP-259**

1. **Aim: Writing python program in various modes and printing the value of variables.**

2. **Source Code:**

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

```
num1 = int(input("Enter number 1: "))
#num1 variable is for storing number 1
num2 = int(input("Enter number 2: "))
#num2 variable is for storing number 2

print("Here we are going to perform all arithmetic operations:
")
# printing all results here
print("Sum is: ", num1+num2, "\nSub is: ", num1-num2
, "\nMultiplication is: ", num1*num2, "\nDivision is: ", num1/
num2 )
```

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

```
print("Enter marks of student in 5 subjects")
# These marks variables are for storing marks of students in 5 s
ubjects!

marks1 = int(input("First subject marks: "))
marks2 = int(input("Second subject marks: "))
marks3 = int(input("Third subject marks: "))
marks4 = int(input("Fourth subject marks: "))
marks5 = int(input("Fifth subject marks: "))

total = marks1 + marks2 + marks3 + marks4 + marks5
#total variable is for storing total of all marks
print("Total Marks are: ", total)

average = total / 5
#average variable is for storing average of all marks
print("Average marks are: ", average)

percentage = (total/500)*100
#percentage variable is for storing percentage of marks
print("Percentage is: ", percentage, "%")
```

c) Write a program to enter length in cms and convert into m and kms.

```
length = float(input("Enter length in cm: "))
#getting input in "length" variable
lengthInM = length/100
#converting length into m here in "lengthInM"
lengthInKM = (lengthInM)/1000
#converting length into km here in "lengthInK5M"


print("Length in cm is: ", length, 'cm')
print("Length in m is: ", lengthInM, 'm')
print("Length in km is: ", lengthInKM, 'km')
```

3. Screenshot of Outputs:

```
Enter number 1: 15
Enter number 2: 5
Here we are going to perform all arithmetic operations:
Sum is:  20
Sub is:  10
Multiplication is:  75
Division is:  3.0
```

```
Enter marks of student in 5 subjects
First subject marks: 100
Second subject marks: 90
Third subject marks: 90
Fourth subject marks: 100
Fifth subject marks: 95
Total Marks are:  475
Average marks are:  95.0
Percentage is:  95.0 %
```

```
Enter length in cm: 500000
Length in cm is:  500000.0 cm
Length in m is:  5000.0 m
Length in km is:  5.0 km
```