Practice Set – 1

1 .Write a program that prints your name and your college name.

```
# Assign values to variables

my_name = "Dhaval Sojitra"

college_name = "Atmiya University University"


# Print name and college name

print("My name is:", my_name)

print("My college is:", college_name)
```

2) Write a program that prints your address with name, all in new lines.

```
my_name = "Dhaval Sojitra"

my_address = "Plot Vistar,\nRasnal,\nBotad,\nGujarat"

# Print name and address on separate lines

print("Name:", my_name)

print("Address:")

print(my_address)
```

3) Write a program that accept two numbers and perform all basic mathematical operations.

```
num1 = float(input("Enter the first number: "))

num2 = float(input("Enter the second number:"))
```

```
sum = num1 + num2

print("\nThe Sum of two number :", sum)

subtraction = num1 - num2

print("\nThe subtraction of two number :", subtraction)

multiplication = num1 * num2

print("\nThe multiplication of two number :", multiplication)

division = num1 / num2

print("\nThe Division of two number :", division)
```

4) Write a program to calculate simple interest.

```
p = float(input("Enter the principal amount: "))

t = float(input("Enter the time period : "))

r = float(input("Enter the rate of interest : "))

simple_interest = (p * t * r) / 100

print ("------------------------- \n")

print("Simple Interest:", simple_interest)
```

5) Write a program to calculate 10% bonus of salary.

```
salary = float(input("Enter the salary: "))

bonus = (10* salary)/100

new_salary = salary + bonus

print("--------------------")

print("Original Salary:", salary)
```

```
print("\nBonus (10%):", bonus)

print("\nNew Salary:", new_salary)
```

6) Write a program to convert KM into Meter

```
km = float(input("Enter distance in kilometer: "))

m = km * 1000;

print("------------------------------------\n")

print("%0.2f Kilometer = %0.2f Meter" %(km,m))
```

#7) The distance between two cities is input through keyboard. Write a program to convert and print this distance in feet, meter, inch and centimeter.

```
distance_km = float(input("Enter the distance between two cities in kilometers: "))

feet = 3280

meter = 1000

inch = 39370.1

centimeter = 100000

print("\n--------------------------------------------- \n")

print("Distance in feet:", distance_km * feet)

print("Distance in meters:", distance_km * meter)

print("Distance in inches:", distance_km * inch)

print("Distance in centimeters:", distance_km * centimeter)
```