1. Write a program for converting Degree Centigrade to Fahrenheit.

Code:

```
1
2
3  T_celcius=float(input("enter temperature
   in degree celcius"))
4
5  T_Fahrenheit=(T_celcius*1.8) + 32
6
7  print("The Temperature", T_celcius,"°C","in
   fahrenheit is" ,T_Fahrenheit)
8
```

Output:

```
enter temperature in degree celcius50
The Temperature 50.0 °C in fahrenheit is 122.0

[Program finished]
```

2. Write a program for converting Degree Fahrenheit to Centigrade.

Code:

```
1
2
3  T_Fahrenheit=float(input("enter
   temperature in fahrenheit:  "))
4
5  T_celcius=(T_Fahrenheit-32)/1.8
6
7  print("The Temperature", T_Fahrenheit,"°F",
   "in celcius is" ,T_celcius,"°C")
8
```

Output:

```
enter temperature in fahrenheit:   68
The Temperature 68.0 °F in celcius is 20.0 °C

[Program finished]
```

3. Write a program to calculate the area of rectangle.

code:

```
2
3  width= int(input("enter the width of
   rectangle:   "))
4  length=int(input("enter the length of
   rectangle:   "))
5  Area_of_rectangle= width*length
6
7  print("The area of rectangle is:  ",
   Area_of_rectangle)
8
```

Output:

```
enter the width of rectangle:   5
enter the length of rectangle:   7
The area of rectangle is:   35

[Program finished]
```

4. Write a program to calculate the volume of a sphere.

code:

```
1
2  radius=int(input("enter the radius of
   sphere:  "))
3
4  volume_of_sphere= (4/3)*3.14*radius*
   radius*radius
5
6  print("the volume of sphere is :",
   volume_of_sphere)
7
```

Output:

```
enter the radius of sphere:  4
the volume of sphere is : 267.94666666666666

[Program finished]
```

5. Write a program that can write your name is upper case, lower case, and title case.

Code:

```
1
2  name = "Engr. inshara iqbal"
3
4  print(name.upper(),    "(upper)")
5
6  print(name.title(),  "(title)")
7
8  print(name.lower(),  "(lower)")
9
10
```

Output:

```
ENGR. INSHARA IQBAL (upper)
Engr. Inshara Iqbal (title)
engr. inshara iqbal (lower)

[Program finished]
```