Task 1: Temperature Converter Write a Python program to accept input temperature in Celsius and convert it to Fahrenheit

```
# Input temperature in Celsius and convert it to Fahrenheit

celsius = float(input("Enter temperature in Celsius: "))
fahrenheit = (celsius * 9/5) + 32  #fahrenheit to celsius formula
print("Temperature in Fahrenheit:", fahrenheit)
```

OUTPUT :
Enter temperature in Celsius: 34
Temperature in Fahrenheit: 93.2

Task 2: Height of a building Write a Python code to calculate the height of a building in feet, given the distance of the observer from the building in meters and the angle formed at the observation point given in degrees

```
# calculate the height of a building in feet,
# given distance of the observer from the building in meters and
# The angle formed at the observation point is given in degrees.

import math
distance = float(input("Enter the distance between the building and the
observer in meters: "))
angle = float(input("Enter the angle formed at the observation point in
degrees: "))  #angle in degree
angle_radians = angle * (3.14159 / 180)   #angle in radian
height = distance * (math.tan(angle_radians))  #height in meters by tan
= perpendicular/base
height_feet = height * 3.281    #height from meter to feet
print("Height of the building in feet:", height_feet)
```

OUTPUT:

Enter the distance between the building and the observer in meters: 57
Enter the angle formed at the observation point in degrees: 45
Height of the building in feet: 187.01675186696343