1. Write a Python program to convert kilometers to miles?

Ans1

kilometers = float(input("Enter the number of kilometers: "))

con = 0.621371

miles = kilometers \* con

print("{0} kilometers is equal to {1} miles".format(kilometers, miles))

2. Write a Python program to convert Celsius to Fahrenheit?

Ans2

celsius = float(input("Enter temperature in Celsius: "))

fahrenheit = (celsius \* 1.8) + 32

print("{0} degrees Celsius is equal to {1} degrees Fahrenheit".format(celsius, fahrenheit))

3. Write a Python program to display calendar?

Ans3

import calendar

year = int(input("Enter the year: "))

month = int(input("Enter the month: "))

print(calendar.month(year, month))

4. Write a Python program to solve quadratic equation?

Ans4

import cmath

a = float(input("Enter coefficient a: "))

b = float(input("Enter coefficient b: "))

c = float(input("Enter coefficient c: "))

d = (b\*\*2) - (4\*a\*c)

sol1 = (-b - cmath.sqrt(d)) / (2\*a)

sol2 = (-b + cmath.sqrt(d)) / (2\*a)

print("The solutions are {0} and {1}".format(sol1, sol2))

5. Write a Python program to swap two variables without temp variable?

Ans5

a = input("Enter the value of a: ")

b = input("Enter the value of b: ")

print("Before swapping: a = {0}, b = {1}".format(a, b))

a, b = b, a

print("After swapping: a = {0}, b = {1}".format(a, b))