**ANSWERS**

**Q1. Write a Python program to convert kilometres to miles?**

**Ans.** Please find below the code to convert kilometres to miles:

kilometers = float(input("Enter distance in kilometers: "))

conv\_factor = 0.621371 # 1 kilometer = 0.621371 miles

miles = kilometers \* conv\_factor

print(f"{kilometers} kilometers is equal to {miles:.2f} miles")

**Q2. Write a Python program to convert Celsius to Fahrenheit?**

**Ans.** Please find below the code to convert Celsius to Fahrenheit:

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

fahrenheit = (celsius \* 9/5) + 32

print(f"{celsius} degrees Celsius is equal to {fahrenheit:.2f} degrees Fahrenheit")

**Q3. Write a Python program to display calendar?**

**Ans.** Please find below the code to display calendar:

import calendar

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

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

print(calendar.month(year, month))

**Q4. Write a Python program to solve quadratic equation?**

**Ans.** Please find below the code to solve quadratic equation:

import cmath

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

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

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

discriminant = b\*\*2 - 4\*a\*c

root1 = (-b + cmath.sqrt(discriminant)) / (2\*a)

root2 = (-b - cmath.sqrt(discriminant)) / (2\*a)

print(f"Root 1: {root1}")

print(f"Root 2: {root2}")

**Q5. Write a Python program to swap two variables without temp variable?**

**Ans.** Please find below the code to swap two variables without temp variable:

a = 5

b = 10

print("Before swapping: a =", a, "b =", b)

a, b = b, a

print("After swapping: a =", a, "b =", b)