**Write a Python program to convert kilometers to miles.**

python

Copy code

# Function to convert kilometers to miles

def km\_to\_miles(km):

return km \* 0.621371

# Input kilometers

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

# Convert and print miles

miles = km\_to\_miles(kilometers)

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

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

python

Copy code

# Function to convert Celsius to Fahrenheit

def celsius\_to\_fahrenheit(celsius):

return (celsius \* 9/5) + 32

# Input Celsius

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

# Convert and print Fahrenheit

fahrenheit = celsius\_to\_fahrenheit(celsius)

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

**3. Write a Python program to display the calendar.**

python

Copy code

import calendar

# Input year and month

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

month = int(input("Enter month (1-12): "))

# Display calendar

print(calendar.month(year, month))

**4. Write a Python program to solve a quadratic equation.**

python

Copy code

import cmath

# Function to solve a quadratic equation

def solve\_quadratic(a, b, c):

# Calculate the discriminant

discriminant = cmath.sqrt(b\*\*2 - 4\*a\*c)

# Find two solutions

sol1 = (-b + discriminant) / (2 \* a)

sol2 = (-b - discriminant) / (2 \* a)

return sol1, sol2

# Input coefficients

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

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

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

# Solve and print the solutions

solutions = solve\_quadratic(a, b, c)

print(f"The solutions are {solutions[0]} and {solutions[1]}")

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

python

Copy code

# Define two variables

a = 5

b = 10

# Print original values

print(f"Before swapping: a = {a}, b = {b}")

# Swap variables without using a temporary variable

a = a + b

b = a - b

a = a - b

# Print swapped values

print(f"After swapping: a = {a}, b = {b}")