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

# Taking kilometers input from the user

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

# conversion factor

conv\_fac = 0.621371

# calculate miles

miles = kilometers \* conv\_fac

print('%0.2f kilometers is equal to %0.2f miles' %(kilometers,miles))

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

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

# calculate fahrenheit

fahrenheit = (celsius \* 1.8) + 32

print('%0.1f degree Celsius is equal to %0.1f degree Fahrenheit' %(celsius,fahrenheit))

1. Write a Python program to display calendar?

# Program to display calendar of the given month and year

# importing calendar module

import calendar

# To take month and year input from the user

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

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

# display the calendar

print(calendar.month(yy, mm))

1. Write a Python program to solve quadratic equation?

# import complex math module

import cmath

a = float(input('Enter a: '))

b = float(input('Enter b: '))

c = float(input('Enter c: '))

# calculate the discriminant

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

# find two solutions

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

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

print('The solution are {0} and {1}'.format(sol1,sol2))

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

x = (input("Enter value of x="))

y = (input("Enter value of y="))

print("x =",x, "y= ",y)

x, y = y, x

print("x =",x, "y= ",y)