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

A: 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?

A: # Python Program to convert temperature in celsius to fahrenheit

# change this value for a different result

celsius = 37.5

# calculate fahrenheit

fahrenheit = (celsius \* 1.8) + 32

print('%0.2f degree Celsius is equal to %0.2f degree Fahrenheit' %(celsius,fahrenheit))

1. Write a Python program to display calendar?

A: 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?

A: # Solve the quadratic equation ax\*\*2 + bx + c = 0

# import complex math module

import cmath

a = 1

b = 5

c = 6

# 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?

A: x=3

y=5

print(" value of x and Y before swapping:", x, y)

x=x+y

y=x-y

x=x-y

print(" value of x and Y after swapping:", x, y)