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

Ans:

kilometre = float(input("Please input value in kilometre"))

miles = kilometre \* 0.621371

print(miles)

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

Ans:

Celsius = float(input("Please input value in Celsius"))

fahrenheit = celcius \* 32

print(fahrenheit)

1. Write a Python program to display calendar?

Ans:

import calendar

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

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

print(calendar.month(yy,mm))

1. Write a Python program to solve quadratic equation?

Ans:

# import complex math module

import cmath

a = int(input("Enter a"))

b = int(input("Enter b"))

c = int(input("Enter c"))

# calculate the discriminant

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

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?

Ans:

int1 = int(input("Enter first number: "))

int2 = int(input("Enter second number: "))

print('Old value of int1 is {0} and int2 is {1}'.format(int1, int2))

int1 = int1 + int2

int2 = int1 - int2

int1 = int1 - int2

print('New value of int1 is {0} and int2 is {1}'.format(int1, int2))