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

**Sol:**

kilometre = float(input("enter kilometre"))

con\_miles = 0.621371

miles = kilometre\*con\_miles

print("convert km into miles" , miles)

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

**Sol:**

celsius = float(input("enter celsius"))

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

print("converting cel into fahrenheit" , fahrenheit)

3. Write a Python program to display calendar?

**Sol:**

import calendar

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

month = int(input("enter month"))

print(calendar.month(year,month))

4. Write a Python program to solve quadratic equation?

**Sol:**

# 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))

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

**Sol:**

a = 4

b = 6

print("a value before swapping ", a)

print("b value before swapping ", b)

a,b = b,a

print("a value after swapping ", a)

print("b value after swapping ", b)