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

def km\_to\_mile():

km=float(input('enter km:'))

print('{}km in mile is {}:'.format(km,km\*0.6213))

km\_to\_mile()

enter km:5

5.0km in mile is 3.1064999999999996:

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

def Cel\_to\_Fah():

celsius = int(input("Enter temperature in celsius : "))

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

print("{}° Celsius is Equal to {}° Farenheit".format(celsius,Fahrenheit))

Cel\_to\_Fah()

Enter temperature in celsius : 29

29° Celsius is Equal to 84.2° Farenheit

1. Write a Python program to display calendar?

import calendar

def Show\_calendar():

year=int(input('enter year to show calender'))

print(calendar.calendar(year))

Show\_calendar()

1. Write a Python program to solve quadratic equation?

import cmath

import math

def quadartic\_Roots(a,b,c):

discriminant= b\*b-4\*a\*c

if discriminant == 0:

r1 = -b/2\*a

r2 = -b/2\*a

print("Roots are Real",r1,r2)

elif discriminant > 0:

r1 = (-b-math.sqrt(discriminant))/(2 \* a)

r2 = (-b+math.sqrt(discriminant))/(2 \* a)

print("Roots are Real and different",r1,r2)

else:

r1 = (-b-cmath.sqrt(discriminant))/(2 \* a)

r2 = (-b+cmath.sqrt(discriminant))/(2 \* a)

print("Roots are Imaginary",r1,r2)

a = int(input('Enter a value: '))

b = int(input('Enter b value: '))

c = int(input('Enter c value: '))

quadartic\_Roots(a,b,c)

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

n1 = int(input('Enter first number: '))

n2 = int(input('Enter second number: '))

def swapNumbers(n1,n2):

print('Before Swapping',n1,n2)

n1,n2=n2,n1

print('After Swapping',n1,n2)

swapNumbers(n1,n2)

Enter first number: 66

Enter second number: 99

Before Swapping 66 99

After Swapping 99 66