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

Ans. def kmToMiles():

kiloMeters = float(input("Enter no of kilometers : "))

print("{} km is Equal to {} miles".format(kiloMeters,kiloMeters\*0.621))

kmToMiles()

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

Ans. def celToFarh():

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

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

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

celToFarh()

1. Write a Python program to display calendar?

Ans. import calendar

def showCalender():

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

print(calendar.calendar(year))

showCalender()

1. Write a Python program to solve quadratic equation?

Ans. import cmath

import math

def quadarticEquationRoots(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: '))

quadarticEquationRoots(a,b,c)

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

Ans. num\_1 = int(input('Enter first number: '))

num\_2 = int(input('Enter second number: '))

def swapNumbers(num\_1,num\_2):

print('Before Swapping',num\_1,num\_2)

num\_1 = num\_1+num\_2

num\_2 = num\_1-num\_2

num\_1 = num\_1-num\_2

print('before Swapping',num\_1,num\_2)

swapNumbers(num\_1,num\_2)