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

Sol:

def convert\_Km\_Metres(a):

return a\*1000

print("enter the kilometre to be converted")

km = float(input())

met = convert\_Km\_Metres(km)

print("the km converted into", str(met) + " metres")

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

Sol:

def convert\_celsius\_to\_fahrenheit(a):

return a\*1.8+32

print("enter the temperature in celsius ")

cels = float(input())

fahren= convert\_celsius\_to\_fahrenheit(cels)

print("the temperature in Celsius is converted into", str(fahren) + " F")

1. Write a Python program to display calendar?

Sol:

import calendar

print(“give the year of which calendar is to be displayed”)

year = int(input())

print(calendar.calendar(year))

1. Write a Python program to solve quadratic equation?

Sol:

import math

def quadratic\_eqn\_solution(a,b,c):

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

di = math.sqrt(d)

x1 = (-b+di)/(2\*a)

x2 = (-b-di)/(2\*a)

return x1, x2

print("give the co-efficient of the quad eqn in the form ax\*x+b\*x+c")

a = int(input())

b = int(input())

c = int(input())

print("roots of the quadratic equation are", quadratic\_eqn\_solution(a,b,c))

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

Sol:

a = input()

b = input()

a, b = b, a

print(a,b)