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

Ans1.

import logging as lg

lg.basicConfig(level = lg.INFO)

def K\_to\_M():

try:

lg.info('kilometers to miles')

k=float(input('Enter value in km'))

return '%0.2f kilometers is equal to %0.2f miles' %(k,0.62137\*k)

except Exception as e:

print('Error occured : ',e)

K\_to\_M()

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

Ans2.

import logging as lg

lg.basicConfig(level = lg.INFO)

def C\_to\_F():

try:

lg.info('Celsius to Farenheit')

c = float(input("Enter temperature in celsius: "))

f = (c \* 1.8) + 32

return '{} Celsius is equal to {} Farenheit' .format(c,f)

except Exception as e:

print('Error occured : ',e)

C\_to\_F()

1. Write a Python program to display calendar?

Ans3.

import logging as lg

lg.basicConfig(level = lg.INFO)

def calendar():

try:

import calendar

lg.info('Display Calender')

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

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

return (calendar.month(y, m))

except Exception as e:

print(e)

calendar()

1. Write a Python program to solve quadratic equation?

Ans4.

def eq():

try:

import cmath

a = float(input("Ente a = "))

b = float(input("Enter b = "))

c = float(input("Enter c = "))

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

ans1 = (-b-cmath.sqrt(dis))/(2\*a)

ans2= (-b+cmath.sqrt(dis))/(2\*a)

return ('The 2 roots of quadratic equation are {} and {}'.format(ans1,ans2))

except Exception as e:

print('Error Occured : ',e)

eq()

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

Ans5.

import logging as lg

lg.basicConfig(level = lg.INFO)

def swap():

try:

lg.info('Swapping of variables')

a=int(input('a'))

b=int(input('b'))

a,b=b,a

return ('value of a is %s and value of b is %s' %(a,b))

except Exception as e:

print('Error occured:', e)

swap()