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

# Python program to convert kms to miles

# Declare the variables

x = 100

y = 0.621\*x

# Print the number in miles

print(y)

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

# Python program to convert celcius to fahrenheit

# Declare the celcius and fahrenheit variables

c = 100

f = (c - 32)\*5/9

# Print the temperature in fahrenheit

print(f)

1. Write a Python program to display calendar?

# Python program to display calendar

# import the module calendar

import calendar

# Declare the variable year

year = 2022

# Print the calendar for the given year

print(calendar.calendar(year))

1. Write a Python program to solve quadratic equation?

# Python program to find roots of quadratic equation

# Import the math module

import math

# Get the inputs from the user

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

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

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

# Apply the formula to calculate the discriminant

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

# check the condition for discriminant

if(dis > 0):

root1 = (-b + math.sqrt(dis) / (2 \* a))

root2 = (-b - math.sqrt(dis) / (2 \* a))

print("Two distinct real roots are %.2f and %.2f" %(root1, root2))

elif(dis == 0):

root1 = root2 = -b / (2 \* a)

print("Two equal and real roots are %.2f and %.2f" %(root1, root2))

elif(dis < 0):

root1 = root2 = -b / (2 \* a)

imaginary = math.sqrt(-dis) / (2 \* a)

print("Two distinct complex roots are %.2f+%.2f and %.2f-%.2f"

% (root1, imaginary, root2, imaginary))

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

# Python program to swap two numbers without using swap

# Declare two variables

a = 10

b = 15

print("The values of a and b are ",a,b)

# now swap the two numbers

a,b = b,a

# print the new values of a and b

print("The new values of a and b are ",a,b)