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

user\_data = int(input("Enter the data in Kilometers : "))

miles\_converter = user\_data \* 0.621371

print("{} kilometer is equivalent to {} miles".format(user\_data,miles\_converter))

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

celius\_data = int(input("Enter the data in degree celcius :"))

farenheit\_converter = (celius\_data \* 1.8) + 32

print("{}°C is corresponds to {} Farenheit".format(celius\_data,farenheit\_converter))

1. **Write a Python program to display calendar?**

import calendar

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

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

print("Display the Calendar's month \n",calendar.month(year, month))

print("\n")

print("Display the Entire calendar \n",calendar.calendar(year))

1. **Write a Python program to solve quadratic equation?**

from math import sqrt

print("Quadratic Equation : (a\* x^2) + b\*x + c")

a = int(input("a = "))

b = int(input("b = "))

c = int(input("c = "))

x = b\*\*2 - 4\*a\*c #b2-4ac

if x>0:

y1 = (((-b) + sqrt(x))/(2\*a)) # -b +- square root of b2-4ac/2a

y2 = (((-b) - sqrt(x))/(2\*a))

print("There are 2 roots: %f and %f" % (y1,y2))

elif x == 0:

y = (-b)/ 2\*a

print("There is one root: ", y)

else:

print("It doesnt contain root < 0")

exit()

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

a = 15

b = 30

print("Old value of a is {} and b is {}".format(a,b))

a = a + b

b = a - b

a = a - b

print("Swapped value of a is {} and b is {} without using temp".format(a,b))