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

kilo\_meter = float(input("Enter value in kilometer : "))

one\_miles = 0.621371

miles = kilo\_meter \* one\_miles

print('kilometer = ', kilo\_meter , 'miles = ', miles)

o\p –

Enter value in kilometer : 2

kilometer = 2.0 miles = 1.242742

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

celsius = float(input("Enter value in celsius : "))

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

print('celsius = ', celsius , 'fahrenheit =',fahrenheit)

o\p-

Enter value in celsius : 4

celsius = 4.0 fahrenheit = 39.2

1. Write a Python program to display calendar?

import calendar

yy = 2021

mm = 6

print(calendar.month(yy, mm))

o\p –

June 2021

Mo Tu We Th Fr Sa Su

1 2 3 4 5 6

7 8 9 10 11 12 13

14 15 16 17 18 19 20

21 22 23 24 25 26 27

28 29 30

1. Write a Python program to solve quadratic equation?

import math

def quadratic\_equation( a, b, c):

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

sqrt\_val = math.sqrt(abs(dis))

if dis > 0:

print("Real and different roots ")

print((-b + sqrt\_val)/(2 \* a))

print((-b - sqrt\_val)/(2 \* a))

elif dis == 0:

print("Real and same roots")

print(-b / (2 \* a))

else:

print("Complex Roots")

print(- b / (2 \* a), " + i", sqrt\_val)

print(- b / (2 \* a), " - i", sqrt\_val)

a = int(input("enter first number : "))

b = int(input("enter second number : "))

c = int(input("enter third number : "))

if a == 0:

print("Input correct quadratic equation")

else:

quadratic\_equation(a, b, c)

o\p - enter first number : 1

enter second number : 2

enter third number : -3

Real and different roots

1.0

-3.0

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

a = int(input("Enter first number : "))

b = int(input("Enter second number : "))

a=a+b

b=a-b

a=a-b

print("Swap of two number is : ", a,b)

o\p –

Enter first number : 3

Enter second number : 4

Swap of two number is : 4 3