**Programming Assignment\_2**

**1. Write a Python program to convert kilo meters to miles?**

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

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

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

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

In [ ]:

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

In [5]:

*# 1 KM = 0.62137119 miles*

kilo**=** float(input("Enter Kilometer "))

print('\n', kilo ," kilometer have ", kilo **\*** 0.62137119 , "Miles")

Enter Kilometer 5

5.0 kilometer have 3.10685595 Miles

In [ ]:

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

In [10]:

*# fahrenheit = celsius \* 1.8 + 32*

celsius **=** float(input("Enter temperature in celsius "))

fahr **=** celsius **\*** 1.8 **+**32

print("Your temp in Fahrenheit is ", fahr)

Enter temperature in celsius 5

Your temp in Fahrenheit is 41.0

In [ ]:

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

In [15]:

**import** calendar

print(calendar**.**month(2022,11))

November 2022

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

In [18]:

print(calendar**.**calendar(2022))

2022

January February March

Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su

1 2 1 2 3 4 5 6 1 2 3 4 5 6

3 4 5 6 7 8 9 7 8 9 10 11 12 13 7 8 9 10 11 12 13

10 11 12 13 14 15 16 14 15 16 17 18 19 20 14 15 16 17 18 19 20

17 18 19 20 21 22 23 21 22 23 24 25 26 27 21 22 23 24 25 26 27

24 25 26 27 28 29 30 28 28 29 30 31

31

April May June

Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su

1 2 3 1 1 2 3 4 5

4 5 6 7 8 9 10 2 3 4 5 6 7 8 6 7 8 9 10 11 12

11 12 13 14 15 16 17 9 10 11 12 13 14 15 13 14 15 16 17 18 19

18 19 20 21 22 23 24 16 17 18 19 20 21 22 20 21 22 23 24 25 26

25 26 27 28 29 30 23 24 25 26 27 28 29 27 28 29 30

30 31

July August September

Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su

1 2 3 1 2 3 4 5 6 7 1 2 3 4

4 5 6 7 8 9 10 8 9 10 11 12 13 14 5 6 7 8 9 10 11

11 12 13 14 15 16 17 15 16 17 18 19 20 21 12 13 14 15 16 17 18

18 19 20 21 22 23 24 22 23 24 25 26 27 28 19 20 21 22 23 24 25

25 26 27 28 29 30 31 29 30 31 26 27 28 29 30

October November December

Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su

1 2 1 2 3 4 5 6 1 2 3 4

3 4 5 6 7 8 9 7 8 9 10 11 12 13 5 6 7 8 9 10 11

10 11 12 13 14 15 16 14 15 16 17 18 19 20 12 13 14 15 16 17 18

17 18 19 20 21 22 23 21 22 23 24 25 26 27 19 20 21 22 23 24 25

24 25 26 27 28 29 30 28 29 30 26 27 28 29 30 31

31

In [ ]:

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

In [23]:

*# import complex match module*

**import** cmath

a**=** int(input("Enter a value "))

b**=** int(input("Enter b value "))

c**=** int(input("Enter c value "))

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

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

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

print("+- roots are ", ans1 , ans2)

Enter a value1

Enter b value4

Enter c value2

+- roots are (-3.414213562373095+0j) (-0.5857864376269049+0j)

In [ ]:

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

In [28]:

a**=** input("Enter a value ")

b**=** input("Enter b value ")

print("Result is ",a,b)

b,a**=** a,b

print("swap result is ",a,b)

Enter a value 4

Enter b value 9

Result is 4 9

swap result is 9 4

In [ ]:

In [ ]: