Programming Assignment_2

---

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

```python
#take input from user
Kilometers =int(input("Enter the in kilometers:-   "))

#converting kilometers to miles
miles=Kilometers*0.621371

#printing the answer
print("The Kilometers is ",Kilometers,"and convert into miles is ", miles)
```

```
Enter the in kilometers:-   25
The Kilometers is  25 and convert into miles is  15.534275000000001
```

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

```python
#take input from user
Celsius =int(input("Enter the value in Celsius:-   "))

#Formula for converting c to f
fahrenheit=(Celsius*1.8)+32

#printing the answer
print("For",Celsius,"Celsius fahrenheit is ", fahrenheit)
```

```
Enter the value in Celsius:-   10
For 10 Celsius fahrenheit is  50.0
```

3. Write a Python program to display calendar?

```python
import calendar


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
```

4. Write a Python program to solve quadratic equation?

In [11]:

```python
a=float(input("Enter the number of a:- \n"))
b=float(input("Enter the number of b:- \n"))
c=float(input("Enter the number of c:- \n"))

d=(b**2)-(4*a*c)

x1 =( -b -(d**0.5))/ (2*a)
x2 =( -b +(d**0.5))/ (2*a)

print("The solution are {0} and {1}".format(x1,x2))
Enter the number of a:-
8
Enter the number of b:-
5
Enter the number of c:-
9
The solution are (-0.31250000000000006-1.0135796712641785j) and (-0.3124999
9999999994+1.0135796712641785j)
```

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

In [45]:

```python
NumA=int(input("Enter Number for A:- "))
NumB=int(input("Enter Number for B:- "))

print("The NumA is:-",NumA,"before the swap")
```

```python
print("The NumB is:-",NumB,"before the swap")
NumA=NumA+NumB

NumB=NumA-NumB
NumA=NumA-NumB

print()
print("The NumA is ",NumA,"after the swap")
print("The NumB is ",NumB,"after the swap")
```

```
Enter Number for A:- 9
Enter Number for B:- 6
The NumA is:- 9 before the swap
The NumB is:- 6 before the swap

The NumA is  6 after the swap
The NumB is  9 after the swap
```