Programming Assignment_2

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

```
In [3]:    1  km=int(input("Enter the distance in Kilometers: "))
           2  miles=km*0.6213 # 1 Kilometer is 0.6213 miles
           3  print("The distance in Miles is:",miles)
```

```
Enter the distance in Kilometers: 4
The distance in Miles is: 2.4852
```

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

```
In [4]:    1  tmp=int(input("Enter the Temperture in Celsious"))
           2  fh=tmp*33.18 # 1 Degee Celsious is 33.18 Degree Fahrenheit
           3  print("The temperatre in Fahrenheit is :",fh)
```

```
Enter the Temperture in Celsious23
The temperatre in Fahrenheit is : 763.14
```

Type *Markdown* and LaTeX: α^2

3. Write a Python program to display calendar?

```
In [11]:   1  import calendar
           2  yy=int(input("Enter the Year"))
           3  mm=int(input("Enter the month"))
           4  print(calendar.month(yy,mm))
```

```
Enter the Year2020
Enter the month9
    September 2020
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
```

4. Write a Python program to solve quadratic equation?

```
1  #Quadratic equation ax**2 + bx + c = 0
2
3
4  import cmath # importingcomplex math module
5
6  a = 10
7  b = 15
8  c = 5
9
10 # Find discriminant
11 d = (b**2) - (4*a*c)
12
13 # find two solutions
14 sol1 = (-b-cmath.sqrt(d))/(2*a)
15 sol2 = (-b+cmath.sqrt(d))/(2*a)
16 print("The solutions are :",sol1,"and",sol2)
```

```
The solutions are : (-1+0j) and (-0.5+0j)
```

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

```
1  a=int(input("Enter 1st Number :"))
2  b=int(input("Enter 2nd number: "))
3  a,b=b,a
4  print("The 1st number is:",a)
5  print("The 2nd number is:",b)
```

```
Enter 1st Number :100
Enter 2nd number: 150
The number is: 150
The number is: 100
```

```
1
```