Programming Assignment_2

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

```
In [1]: print("Enter distance in kilometers?")
    x=int(input())
    print("Distance in miles is=",x*0.621371)

Enter distance in kilometers?

Distance in miles is= 9.320565
```

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

```
In [9]: print("Enter temperature in celcius?")
x=float(input())
print("Temperature in fahrenheight is=",((x*9/5)+32))

Enter temperature in celcius?
    -40
Temperature in fahrenheight is= -40.0
```

3. Write a Python program to display calendar?

```
In [12]: import calendar
    yy=int(input("Enter any year"))
    print(calendar.calendar(yy))
```

Enter any year2022

2022

	January								Fel	orua	ary				March							
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31																						

4. Write a Python program to solve quadratic equation?

```
In [33]: import math
    print("Enter the values of a, b & c \n")
    a,b,c=[int(ele) for ele in input().split()]
    dis=(b*b)-(4*a*c)
    sqrt_dis=math.sqrt(abs(dis))
    if(dis > 0):
        print("The equation has two real roots: {:.3f}, {:.3f}" .format((-b+sqrt_dis)/(elif (dis ==0):
        print("The equation has real and same roots: ",(-b/(2*a)))
    else:
        print("The equation has two imaginary roots: {0:.3f}+{1:.3f}i, {0:.3f}-{1:.3f}:

    Enter the values of a, b & c

1 -2 1
    The equation has real and same roots: 1.0
```

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

```
In [2]: A=int(input("Enter the value of A: "))
B=int(input("Enter the value of B: "))
A=A+B
B=A-B
A=A-B
print("After swapping, value of A={} and Value of B={}" .format(A,B))

After swapping, value of A=3 and Value of B=2
In []:
```