

Assignment - 2

Write a Python program to convert kilometers to miles?

```
In [1]: a = float(input("Enter the number "))

b = a*0.6214
print(f"The value in miles is {b}")
```

Enter the number 12
The value in miles is 7.456799999999999

Write a Python program to convert Celsius to Fahrenheit?

```
In [2]: a = float(input("Enter the number "))

b = (a * (9/5)+32)
print(b)
```

Enter the number 25
77.0

Write a Python program to display calendar?

```
In [4]: import calendar

year = int(input("Enter the year "))
month = int(input("Enter the month "))

print(calendar.month(year,month))
```

Enter the year 1996
Enter the month 7
July 1996
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 31

Write a Python program to solve quadratic equation?

```
In [6]: import cmath

a = float(input('Enter a: '))
b = float(input('Enter b: '))
c = float(input('Enter c: '))

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

ans1 = (-b-cmath.sqrt(d))/(2*a)
ans2 = (-b+cmath.sqrt(d))/(2*a)

print('The solution are {0} and {1}'.format(ans1,ans2))
```

Enter a: 5
Enter b: 2
Enter c: 3
The solution are (-0.2-0.7483314773547882j) and (-0.2+0.7483314773547882j)

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

```
In [7]: a = float(input('Enter a: '))
b = float(input('Enter b: '))

a,b = b,a

print("value of a now is {}".format(a))
print("value of b now is {}".format(b))
```

Enter a: 5
Enter b: 6
value of a now is 6.0
value of b now is 5.0

```
In [ ]:
```