

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

```
In [2]: def km2miles(km):  
        miles=km*0.62137119  
        print("{} km is equal to {} miles".format(km,miles))  
        return miles
```

```
In [4]: km2miles(2)
```

2 km is equal to 1.24274238 miles

```
Out[4]: 1.24274238
```

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

```
In [7]: def c2f(c):  
        f=(c*(9/5))+32  
        print("{} Celsius is equal to {} Fahrenheit".format(c,f))  
        return(f)
```

```
In [8]: c2f(5)
```

5 Celsius is equal to 41.0 Fahrenheit

```
Out[8]: 41.0
```

3. Write a Python program to display calendar?

```
In [11]: import calendar

year = 2022 # year
month = 5   # month

# display the calendar
print(calendar.month(year, month))
```

```
      May 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 31
```

4. Write a Python program to solve quadratic equation?

```
In [12]: def quad(a,b,c):
import math
det=(b**2 -(4*a*c))
x1=(-b + math.sqrt(det))/(2*a)
x2=(-b - math.sqrt(det))/(2*a)
print('The solution are {0} and {1}'.format(x1,x2))
return x1,x2
```

```
In [13]: quad(1,5,6)
```

The solution are -2.0 and -3.0

```
Out[13]: (-2.0, -3.0)
```

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

```
In [14]: a = 5  
b = 10  
  
print("a before swap:",a)  
print("b before swap:",b)  
print("*****10")  
  
a, b = b, a  
print("a after swap:",a)  
print("b after swap:",b)
```

```
a before swap: 5  
b before swap: 10  
*****  
a after swap: 10  
b after swap: 5
```

```
In [ ]:
```