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

```python
value_kilometre = float(input("Enter the value of distance in kilometre: "))
value_mile = value_kilometre / 1.6
print("Converted value in mile = ", value_mile)
```

```
Enter the value of distance in kilometre: 8
Converted value in mile =  5.0
```

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

```python
temp_celcius = float(input("Enter the temperature in celcius scale: "))
temp_fahrenheit = ((9 * temp_celcius)/5)+32
print("Temperature in farenheit scale = ", temp_fahrenheit)
```

```
Enter the temperature in celcius scale: 34
Temperature in farenheit scale =  93.2
```

3. Write a Python program to display calendar?

```python
import calendar
yy = int(input("Enter the year: "))
mm = int(input("Enter the month: "))
print(calendar.month(yy, mm))
```

```
Enter the year: 21
Enter the month: 05
         May 21
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?

```
import cmath
a = int(input("Enter the coefficient of x: "))
b = int(input("Enter the coefficient of y: "))
c = int(input("Enter constant: "))
d = (b*b)-(4*a*c)
root1 = (-b+cmath.sqrt(d))/(2*a)
root2 = (-b-cmath.sqrt(d))/(2*a)
print(root1)
print(root2)
```

```
Enter the coefficient of x: 5
Enter the coefficient of y: 7
Enter constant: 9
(-0.7+1.14455231422595597j)
(-0.7-1.14455231422595597j)
```

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

```
def swap(a,b):
    a,b =b,a
    return a,b
swap(2,3)
```

(3, 2)

```
def swap(a,b):
    a = a+b
    b = a-b
    a = a-b
    return a,b
swap(2,3)
```

(3, 2)