In [2]:
```python
#question1-Write a Python program to convert kilometers to miles

#ans-1

# get user input for distance in kilometers
kilometers = float(input("Enter distance in kilometers: "))

# conversion factor
conv_fac = 0.621371

# calculate distance in miles
miles = kilometers * conv_fac

# display the result
print(f"{kilometers} kilometers is equal to {miles} miles.")
```

```
Enter distance in kilometers: 12
12.0 kilometers is equal to 7.4564520000000005 miles.
```

In [2]:
```python
#question2- Write a Python program to convert Celsius to Fahrenheit?

#ans-2

celsius = float(input("Enter temperature in Celsius: "))
fahrenheit = (celsius * 1.8) + 32
print(fahrenheit, "°F")
```

```
Enter temperature in Celsius: 28
82.4 °F
```

In [3]:
```python
#question3-Write a Python program to display calendar?

#ans-3

import calendar

year = 2023
month = 3

# Display the calendar for the specified year and month
print(calendar.month(year, month))
```

```
     March 2023
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
```

In [4]:
```python
#question-4 Write a Python program to solve quadratic equation?

#ans-4

import cmath

# function to solve quadratic equation
def solve_quadratic(a, b, c):
    # calculate the discriminant
    disc = cmath.sqrt(b**2 - 4*a*c)

    # calculate the two roots
    root1 = (-b + disc) / (2*a)
    root2 = (-b - disc) / (2*a)

    # return the roots
    return (root1, root2)

# example usage
a = 2
b = 5
c = -3

roots = solve_quadratic(a, b, c)

print(f"The roots of the quadratic equation {a}x^2 + {b}x + {c} are:")
print(f"Root 1: {roots[0]}")
print(f"Root 2: {roots[1]}")
```

```
The roots of the quadratic equation 2x^2 + 5x + -3 are:
Root 1: (0.5+0j)
Root 2: (-3+0j)
```

In [5]:
```python
#question-5 Write a Python program to swap two variables without temp variable?

#ans-5

# initial values
x = 5
y = 10

# swapping variables without temp variable
x, y = y, x

# print new values
print("x =", x)
print("y =", y)
```

```
x = 10
y = 5
```

In [ ]:
```python

```