

Write a Java Program to Convert a Given Number of Days in Terms of Years, Weeks, and Days.

Sample Input & Output:

Enter the number of days: 756

No. of years: 2

No. of weeks: 3

No. of days: 5

Test cases:

1. 38
2. 3.6
3. 0
4. -365
5. -45

Program:

```
import java.util.Scanner;

public class DaysConverter {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        // Get input from the user
        System.out.print("Enter the number of days: ");
        int totalDays = scanner.nextInt();

        // Check for negative or invalid inputs
        if (totalDays < 0) {
            System.out.println("Invalid input. Number of days should be non-negative.");
        } else {
            // Calculate years, weeks, and remaining days
            int years = totalDays / 365;
            int remainingDays = totalDays % 365;
            int weeks = remainingDays / 7;
            int days = remainingDays % 7;

            // Output the result
            System.out.println("No. of years: " + years);
            System.out.println("No. of weeks: " + weeks);
            System.out.println("No. of days: " + days);
        }
    }
}
```

```

    }

    // Test cases
    convertDays(38);
    convertDays(3.6);
    convertDays(0);
    convertDays(-365);
    convertDays(-45);

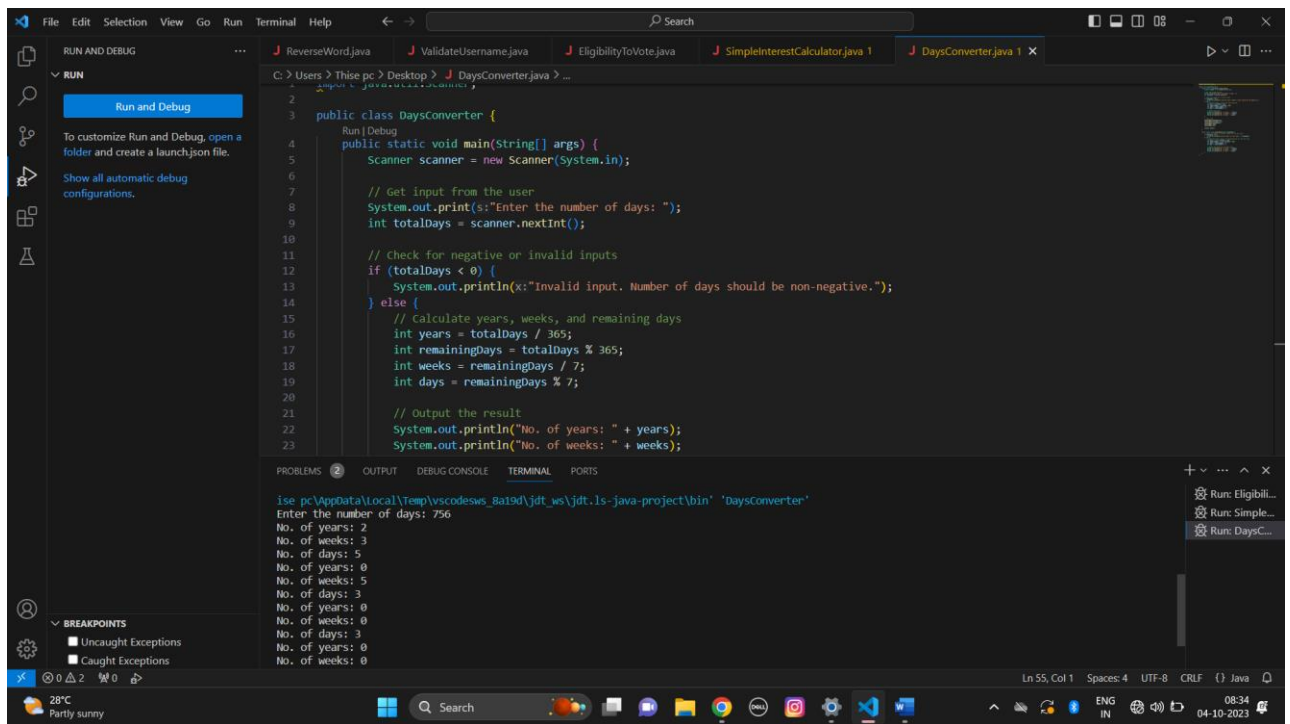
    scanner.close();
}

public static void convertDays(double totalDays) {
    // Check for negative or invalid inputs for the test cases
    if (totalDays < 0) {
        System.out.println("Invalid input for test case: " + totalDays);
    } else {
        // Calculate years, weeks, and remaining days for the test cases
        int years = (int) totalDays / 365;
        int remainingDays = (int) totalDays % 365;
        int weeks = remainingDays / 7;
        int days = remainingDays % 7;

        // Output the result for the test cases
        System.out.println("No. of years: " + years);
        System.out.println("No. of weeks: " + weeks);
        System.out.println("No. of days: " + days);
    }
}
}

```

Output:



```
File Edit Selection View Go Run Terminal Help
C:\Users\Thise pc\Desktop> J DaysConverter.java > ...
1
2
3 public class DaysConverter {
4     public static void main(String[] args) {
5         Scanner scanner = new Scanner(System.in);
6
7         // Get input from the user
8         System.out.print("Enter the number of days: ");
9         int totalDays = scanner.nextInt();
10
11        // Check for negative or invalid inputs
12        if (totalDays < 0) {
13            System.out.println("Invalid input. Number of days should be non-negative.");
14        } else {
15            // Calculate years, weeks, and remaining days
16            int years = totalDays / 365;
17            int remainingDays = totalDays % 365;
18            int weeks = remainingDays / 7;
19            int days = remainingDays % 7;
20
21            // Output the result
22            System.out.println("No. of years: " + years);
23            System.out.println("No. of weeks: " + weeks);
24        }
25    }
26}
```

isec pc\AppData\Local\Temp\vscode\ws_Ba19d\jdt_ws\jdt.ls-java-project\bin' 'DaysConverter'

Enter the number of days: 756

No. of years: 2
No. of weeks: 3
No. of days: 5
No. of years: 0
No. of weeks: 5
No. of days: 3
No. of years: 0
No. of weeks: 0
No. of days: 3
No. of years: 0
No. of weeks: 0
No. of days: 0

28°C
Partly sunny

Ln 55, Col 1 Spaces: 4 UTF-8 CRLF {} Java

08:34
04-10-2023