

```
import java.util.Scanner;
```

```
public class DaysInMonth {
```

```
    public static boolean isLeapYear(int year) {
```

```
        return (year % 4 == 0 && year % 100 != 0) || (year % 400 == 0);
```

```
    }
```

```
    public static int getDaysInMonth(int year, int month) {
```

```
        if (month < 1 || month > 12) {
```

```
            return -1; // Invalid month
```

```
        }
```

```
        int[] daysPerMonth = {0, 31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31};
```

```
        if (isLeapYear(year) && month == 2) {
```

```
            return 29; // February has 29 days in a leap year
```

```
        }
```

```
        return daysPerMonth[month];
```

```
    }
```

```
    public static void main(String[] args) {
```

```
        Scanner scanner = new Scanner(System.in);
```

```
        System.out.print("Enter the year: ");
```

```
        int year = scanner.nextInt();
```

```
        System.out.print("Enter the month (1-12): ");
```

```
        int month = scanner.nextInt();
```

```
        int daysInMonth = getDaysInMonth(year, month);
```

```
if (daysInMonth == -1) {  
    System.out.println("Invalid month. Month should be between 1 and 12.");  
} else {  
    System.out.println("Number of days in " + year + "/" + month + ": " + daysInMonth);  
}  
  
scanner.close();  
}  
}
```