

Display Number of Days in Month

Write a program that prompts the user to enter the month and year as integers. Using a **switch statement** to determine which month the user entered (1-12), display the number of days in that month and the year the user entered. For example, If the user entered month 2 and year 2012, the program should display that February 2012 has 29 days. If the user entered month 3 and year 2015, the program should display that March 2015 has 31 days. *Hint: Keep leap years in mind for February!*

Example Output

```
Enter a month in the year (e.g., 1 for Jan): 10
Enter a year: 1978
October 1978 has 31 days
```

```
Enter a month in the year (e.g., 1 for Jan): 4
Enter a year: 2005
April 2005 has 30 days
```

```
Enter a month in the year (e.g., 1 for Jan): 2
Enter a year: 2006
February 2006 has 28 days
```

```
Enter a month in the year (e.g., 1 for Jan): 2
Enter a year: 2012
February 2012 has 29 days
```

```
Enter a month in the year (e.g., 1 for Jan): 2
Enter a year: 2020
February 2020 has 29 days
```

Deliverables

Make sure your code has the required file header and correctly formatted identifier names, as outlined in the CS Java Documentation Policy under Course Info on D2L.

To receive credit for this lab you must

1. Demonstrate the code and execution to the instructor during this lab, during office hours, or during the next lab period.
2. Zip the src folder in your project directory and upload the instructor approved .java files to the Lab 7 D2L drop box.