CSci 111 - Computer Science I
Fall 2022
Closed Lab 6

Programming Activity

Write a program that prompts the user to enter the month and year and displays the number of days in the month, check the sample output below. **Notice** that in a leap year, there are 29 days in February, otherwise, there are 28 days.

- Use **ONE** **switch** statement to determine name of month and days in that month, in the case of February, decide whether there are 28 days or 29 days (if the year entered is a leap year, then there are 29 days in February, otherwise, there are 28 days, check the presentation we did in class).
- Do not forget to include **break;** at the end of each case.
- If you got an error message, saying that you need to initialize a certain variable, if that variable is an int, initialize it to 0 (e.g. int x = 0); if the variable is a double, initialize it to 0.0 (e.g. double x = 0.0); if the variable is a String, initialize it to an empty string (e.g. String x = "").

You can name your program **DaysMonth.java**

When done, **raise your hand** to let the TA know that you are ready to demonstrate your code for grading.

```
// import statement(s), class header, and main method header

// declare variables for the inputs and outputs

// prompt for input

// process

// display the output
```

Sample Output

```
Enter the month (enter 1 for Jan, 2 for Feb, etc.): 2
Enter the year: 2022
February 2022 has 28 days
>>
Enter the month (enter 1 for Jan, 2 for Feb, etc.): 10
Enter the year: 2022
October 2022 has 31 days
>>
```