

**COP-2800: Java Programming**

**Assignment 3.11**

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# Document Version Control

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# Technical Specifications

## Purpose of Technical Implementation

The purpose of this assignment is to calculate the amount of days in an month depending on its year. The user inputs the month as a number and the year, afterwards the final output will be the amount of days in the month during that year.

<**Example**: The purpose of this implementation is to provide a quick and efficient way to update pages without the need for a “full” build to Production. Deploying a new “build” to production can represent a large time loss when critical updates to front end pages is required.

## Psuedocode

import java.util.Scanner;

public class App {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

print out ("Enter the month as an number 1-12: ");

int month = input.nextInt();

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

int year = input.nextInt();

boolean leapYear =

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

switch (month)

{

case 1: System.out.println(

"January in " + year + " had 31 days"); break;

case 2: System.out.println("February in " + year + " had" +

((leapYear) ? " 29 days" : " 28 days")); break;

case 3: System.out.println(

"March in " + year + " had 31 days"); break;

case 4: System.out.println(

"April in " + year + " had 30 days"); break;

case 5: System.out.println(

"May in " + year + " had 31 days"); break;

case 6: System.out.println(

"June in " + year + " had 30 days"); break;

case 7: System.out.println(

"July in " + year + " had 31 days"); break;

case 8: System.out.println(

"August in " + year + " had 31 days"); break;

case 9: System.out.println(

"September in " + year + " had 30 days"); break;

case 10: System.out.println(

"October in " + year + " had 31 days"); break;

case 11: System.out.println(

"November in " + year + " had 30 days"); break;

case 12: System.out.println(

"December in " + year + " had 31 days");

}

}

}

## Screenshot of working code

