It's a Date

CCPROG1 Coursework 4

A man named John wanted to meet a friend named Dave living in a different world. The problem is that Dave's planet runs faster than John's world, earth. For every year on earth, 2 years pass on Dave's world. However, the length of time per day remains the same for both worlds. Dave's world's year consists of 12 months, each having 15 days. The months for both worlds have the same names. At the end of the 2nd year, a special 5 day month is made to make-up the difference between the two worlds. Create a program that takes in a date on earth and convert the date into the date on Dave's world.

Some assumptions regarding the program:
- The whole program is to be written from scratch. Pass everything in a single file.
- Do not assume the exact earth year. Just assume that the earth year contains no leap year.
- Assume that both years start at the same time. Meaning January 1 for earth is January 1 year 1 for Dave's world.
- Input for months is integers where January is represented as 1, February as 2 and so on.
- Assume that the user will always input a valid date. No need to check if the dates fed are invalid.
- For months, make sure that the words are written in the title case. This means only the first letter is capitalized.
- For the output, only print the final date, it should look like the sample runs.
- No need to display the year number on Dave's world.
- It is required to use conditional constructs for this program.
- DO NOT BRUTE FORCE THE ANSWER. This means putting nearly every single possible answer mapped to the other.

To see how the conversion looks like, a spreadsheet maps the two world's months
https://docs.google.com/spreadsheets/d/1MgjGpzRiSVviR45PvzfTTzVqDAfFBEbcURdLBuek4Ao/edit?usp=sharing

Sample Runs

Input earth month: **1** Input earth day: **1** January 1	Input earth month: **1** Input earth day: **15** January 15	Input earth month: **1** Input earth day: **16** February 1
Input earth month: **5** Input earth day: **12** September 12	Input earth month: **7** Input earth day: **28** February 14	Input earth month: **8** Input earth day: **10** March 12
Input earth month: **10** Input earth day: **2** July 5	Input earth month: **12** Input earth day: **26** December 15	Input earth month: **12** Input earth day: **27** Special 1

Submission Details

- Do not modify any other file.
- Submit the results into the canvas page:
  - https://dlsu.instructure.com/
  - Go to: Assignments > Course Activities: Homework > CW4: Its a Date
- This activity is worth 20 points
- Deadline: Oct 26, 2022 11:59 PM