CPSC 1020

Project 1 Logic

Date class

- Default constructor – set to 1/1/2023
- 3-int constructor
  - Using your setters determine is valid date
    - If it is then change the date
    - Else keep 1/1/2023
- Setters
  - Using date logic, only change the corresponding variable IF valid and return true otherwise no change and return false
- Getters
  - Piece of cake!!

Date class continued

- showDate – build a string using variables and slashes
- addDays
  - Work through the logic of adding a specified number of days to the date
  - Start by checking if the new day will be beyond the month
  - If so then see if next month is beyond 12
  - Adjust accordingly

calcDays function

- Note – this is NOT a member function
- Pass in 2 Dates
- Convert each date to number of days since 1/1/2023
- Subtract and return absolute value

Main program

- Ask user questions and when necessary create Date(s)
- This is where you will handle the logic of case 1 – 4
- Display the results
- See examples to help with this logic

Test warnings

- Consider the order of dates
  - m/d/y
  - d/m/y
  - SEE INSTRUCTIONS FOR Date constructor
- Consider the default constructor values – what should they be?