CSCI 6617 Java Programming Section 01

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**Output of Program 2: Birthday.java:**

*Please note that I did add an error check in* ***public******void*** *calculateDayOfYear() to print an error message when the date input is out of range. However I did not polish the main function to prevent it from printing “****it is day 0 of the year****”. I could modify the code to do so if you think it is required. Thank you very much.*

**In the re-submitted version, I made the following changes:**

**1. Added a new line of code at line 46.**

**2. Added a new line of code at line 57.**

**3. Line 58 was modified from “if” clause to “else if” clause.**

**Valid inputs:**

Birthday Day Calculator, Welcome!

Months are: Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Please enter your birth month and date:

May 20

Your May 20 birthday is on Wednesday this year

it is day 140 of the year

Birthday Day Calculator, Welcome!

Months are: Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Please enter your birth month and date:

Jan 1

Your Jan 1 birthday is on Thursday this year

it is day 1 of the year

Birthday Day Calculator, Welcome!

Months are: Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Please enter your birth month and date:

Dec 31

Your Dec 31 birthday is on Thursday this year

it is day 365 of the year

Birthday Day Calculator, Welcome!

Months are: Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Please enter your birth month and date:

Feb 28

Your Feb 28 birthday is on Saturday this year

it is day 59 of the year

**Invalid inputs:**

Birthday Day Calculator, Welcome!

Months are: Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Please enter your birth month and date:

Mon 20

Your month name was not a valid 3-letter abbreviation.

Your Mon 20 birthday is on null this year

it is day 0 of the year

Birthday Day Calculator, Welcome!

Months are: Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Please enter your birth month and date:

Apr 31

Your date is not valid.

Your Apr 31 birthday is on null this year

it is day 0 of the year

Birthday Day Calculator, Welcome!

Months are: Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Please enter your birth month and date:

Feb 29

Your date is not valid.

Your Feb 29 birthday is on null this year

it is day 0 of the year