

CSCD 210

Lab 3

SPECIFICATIONS:

Create, compile and execute a well commented program for the following.

- Asks the user, in this order, for
 - Their full name meaning first middle last (one String)
 - For a single alphabetic character (guaranteed lower case)

You must use the built in functions in the API for String and System to:

- 1) Print the first letter of the name
- 2) Print the last letter of the name
- 3) Print the middle name
- 4) Print the last name comma first name
- 5) Print the results of replacing all the characters in the name that match the alphabetic character (case not sensitive) with a question mark (?). Example the character is a f. You would replace all occurrences of the letter f or the letter F in the name with the ?.

NOTES:

- We are in the Happy Part of StuLand
- You will need to read the API for the String class and the Scanner class.
- You will have at least 2 output runs in a file named **cscd210lab3out.txt**
- Don't forget to close your Scanner object.
- Ensure you trim your Strings
- One of your runs should include 2 middle names

TO TURN IN

A **zip** file that contains your Lab3:

- All packages, Java code.
- The output runs of your program named **cscd210lab3output.txt**

Name your zip file with **your** last name first initial of your first name lab3 (Example: **steinerslab3.zip**)

EXAMPLE RUN

```
Please enter your full name: Stu Frankfen Steiner
Please enter a letter f
The first letter of Stu Frankfen Steiner is: S
The last letter of Stu Frankfen Steiner is: r
The middle name of Stu Frankfen Steiner is: Frankfen
Last, first is: Steiner, Stu
```

```
Replacing all letters (case not sensitive) f in the name Stu Frankfen
Steiner yields: Stu ?rank?en Steiner
```