Work on this lab with a new partner: someone with whom you have not yet worked.

Include your full name and your partner’s full name at the top of each file, using a Java Javadoc   
/\*\* @author \*/ tag (for example: /\*\* @author Paul Mills and Jason Wilder \*/).

**Session 6 Lab: More fun with Strings**

In this lab you will work with Symbolic Constants (final), String parsing and manipulation.

Star Wars names are created by taking the first three letters of your first name and the first two letters of your last name to create your first name in Star Wars. Your last Star Wars name is created by taking the first two letters of your mother’s maiden name and the first three letters of the city you were born in. I got this formula from the Internet so it MUST be true.

Start by creating the driver class StarWarsName. When running the class you will enter “|” (pipe) delimited data as a single Program Argument through main(…)) that will be used to generate your true identity in the form of a Star Wars name.

**For example:**

Brady|Mills|Shepherd|Chilliwack

The above will be split using the “|” delimiter into four Strings. Using the formula described above you will generate you Star Wars name.

**Bra**dy|**Mi**lls|**Sh**epherd|**Chi**lliwack becomes Brami Shchi.

NOTE: With the exception of the first letters of each name all letters are displayed in lower case.

**Final notes:**

You must use the String methods split(…), substring(…) in your solution.

Symbolic constants must be used instead of “magic numbers” in your code.

Use System.out.**format**(…) to display your Star Wars name to the console.

The program should check to be sure data was entered on startup. If not then throw an IllegalArgumentException

The program should also make sure there are four Strings available before attempting to create the names. If not then report the error.

**Sample runs:**

Missing arg

Exception in thread "main" java.lang.IllegalArgumentException: missing data input

at StarWarsName.main(StarWarsName.java:26)

Not four Strings:

ERROR: incorrect number of words provided.

Successful run:

Your Star Wars name is: Brami Shchi

Do this lab with your partner. Create the identical code as your partner, and show your instructor before the start of the next class. Keep these papers and bring them to the final exam, to get your marks:

Instructor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_