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Skill 2.1 Exercise 1

- (a) Write a driver class called “StringOperations”.
- (b) Create a String variable “s2” and initialize it to “The population of Boise is ”.
- (c) Create an int variable called “people” and initialize it to 250000.
- (d) Concatenate these variables into a String called report.
- (e) Print report. The printout should yield, The population of Boise is 220000.

Skill 2.2 Exercise 1

Declare and initialize a variable “p” to “Groovy Dude”.
Declare and initialize a variable “n” to the number characters in “p”

Skill 2.3 Exercise 1

You need to write a program that generates usernames for students at Timberline. The usernames will use the following convention: FirstInitial + LastName. You are provided the first name and last name of a student as shown below,

```
String firstName = “Lady”;  
String lastName = “Gaga”;
```

Write code that could be used to create a user name. Assign the username to a new variable called “username”.

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Skill 2.4 Exercise 1

In the previous example you wrote code to create a username for a student. The usernames must contain only lowercase letters. Create a new String variable called `usernameLower`, then assign the reformatted username

Skill 2.4 Exercise 2

In addition to usernames, the students also need passwords. The default passwords must use the following convention: first letter first name + first letter lastname + 6 digit birthdate (EX: lg032886)

Consider the following student information,

Lady Gaga
03/28/1986

Write code that could be used to create a password. Assign the password to a new variable called `"password"`.

Skill 2.4 Exercise 1

(a) Write code that will produce the following printout using only a single `println()`,

One
Two
Three

(b) Write code that will print the following to the console.

"Woo Hoo!"

Note, the quotes must display when printed.

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