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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. |
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| **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” |
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| **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 = “Ziggy”;  String lastName = “Marley”;  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 1.4 Exercise 1** |
| For each statement, identify whether it is legal or illegal. If it is illegal, indicate why. |
| |  |  |  | | --- | --- | --- | |  | **legal/illegal** | **Explanation** | | int myInt = 1000;  double d = myInt; |  |  | | double avogadro = 6.022E23;  int protons = avogadro; |  |  | | double graduate = 2020;  int g = (int) graduate; |  |  | | int lightSpeed = 3.0E8; |  |  | |

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| **Skills 1.5 & 1.6 Exercise 1** |
| (a) Declare a boolean type variable called answer and initialize it to true;  (b) Declare a String type variable to “Will it be a great day?”;  (c) Print to the boolean variable to the console. |
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| **Skill 1.7 Exercise 1** |
| |  |  | | --- | --- | | **code** | **legal/illegal** | | int 1231abc; |  | | double big-number; |  | | String name2; |  | |