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| **Skill 1.1 Exercise 1** |
| Write a driver class called variableTypes, then inside that class  (a) Declare an int type variable “i”, but do not initialize it  (b) Initialize “i” to your age  (c) Assign the year you will graduate to “i”  (d) Add “4” to “i”  (e) Print the following message to the console: I will graduate from college in <the value of i> |
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| **Skill 1.2 Exercise 1** |
| For each value below identify the variable type it could be associated with |
| |  |  | | --- | --- | | 3.14 |  | | 2 |  | | 5.00 |  | | 6.022 x 1023 |  | | true |  | | -2,147,483,648990 |  | |

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| **Skill 1.3 Exercise 1** |
| (a) Write a single line of code that will create a double precision variable called “p” and store 1.921 x 10-15 in it. (Note 1.921 x 10-15 can also be written as 1.921E-15)  (b) Write a single line of code that will create an integer variable called i and store 407 in it  (c) Write a single line of code that will declare the variable called “result” of type boolean. Do not initialize it. |
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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 called “msg” and initialize it to “Will it be a great day?”;  (c) Print 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; |  | |