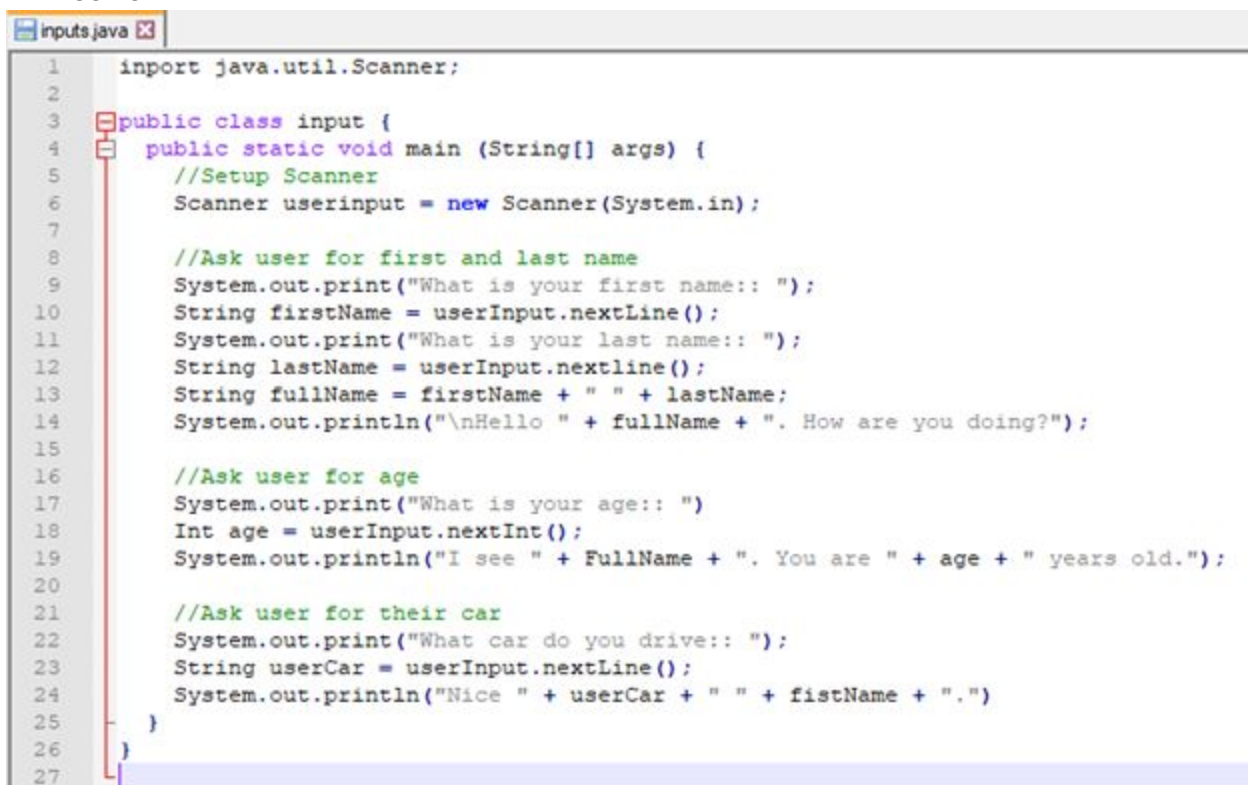


Lab 02

Division in Java Adventures:

Previously, when you tried to divide numbers like 4 by 3, it never makes a decimal and always rounds. To fix this problem, I changed the code to a double system rather than an integer system. To do this, I changed the code to say “double firstNumber = userInput.nextDouble.” Changing it to doubles made sure that the numbers could be divided more accurately.

Debugging Problems:



```
1  inport java.util.Scanner;
2
3  public class input {
4      public static void main (String[] args) {
5          //Setup Scanner
6          Scanner userinput = new Scanner(System.in);
7
8          //Ask user for first and last name
9          System.out.print("What is your first name:: ");
10         String firstName = userInput.nextLine();
11         System.out.print("What is your last name:: ");
12         String lastName = userInput.nextline();
13         String fullName = firstName + " " + lastName;
14         System.out.println("\nHello " + fullName + ". How are you doing?");
15
16         //Ask user for age
17         System.out.print("What is your age:: ");
18         Int age = userInput.nextInt();
19         System.out.println("I see " + fullName + ". You are " + age + " years old.");
20
21         //Ask user for their car
22         System.out.print("What car do you drive:: ");
23         String userCar = userInput.nextLine();
24         System.out.println("Nice " + userCar + " " + fistName + ".")
25     }
26 }
27
```

- a. There are 9 errors find all of them
- Line 1: it should say “import” not “inport”
 - Line 3: the class name should be “inputs” not “input”
 - Line 6: when it says “userinput” the i in input should be capitalized
 - Line 12: the L in “nextline” should be capitalized
 - Line 17: there’s a semicolon missing at the end of the line
 - Line 18: the first i in the first Int word shouldn’t be capitalized
 - Line 19: the ‘f’ in fullName shouldn’t be capitalized
 - Line 24: there’s a semicolon missing from the end of the line
 - Line 24: “firstName” is misspelled to “fistName”

2. On my github there is a `inputs.java` class that when run, skips over asking the user for the car. Fix this error in the code and turn it in. Also write what the error is, why it occurs, and how you fixed it.

When the system asked for the car, it skipped over the question and automatically moved on to the next sentence. The error with this was with the previous integer: age. When inputting the age, you have to push the "enter" button in order to move to the next command. This "enter" is still counted as part of the next string. When it goes to ask the user for the car type, the previous "enter" is counted as your input, rather than something that you would type into the system. To fix this problem, I added a random string directly after the integer part in order to basically make the "enter" that was counted as the next string to be basically useless.

P.S. Proper grammar would be to put a comma before addressing someone by name. I fixed that as well in Line 25. :)))