The following questions are based off the goals for M02 L05 discussing Predefined Classes, Objects and Methods and I/O:

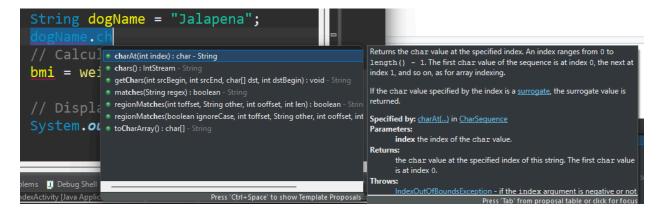
Goals:

- Standard Library Packages, Classes and Methods
 - Find and use documentation (API) in Eclipse for the core libraries
 - Explain
 - predefined classes, objects and methods
 - methods, parameters, arguments
 - Identify packages, classes and methods in code and apply in code
 - Explain and develop code that constructs objects and calls their methods to perform operations.
- Standard Input and Output (I/O) Input/Output
 - Describe standard input and output streams
 - Create code to display information to the console and format output and read information from the keyboard
- Quality Code
 - Use your IDE to debug and clean up warnings

Note: Feel free to continue exploring these goals and the lecture in a way that *makes sense to you*.



- 1. What are naming conventions for a class name? (*Hint*: think class versus a variable? How can we tell its *specifically* a class name?)
- 2. How do you create a scanner object called input (*Hint*: Check lecture for example)
 - a. In Eclipse, after creating the object, start a new line by typing "<a href="input.ne" input.ne" input.ne" . Explore the API that comes up
- 3. How do I take in a String input from a user using my new scanner object? (*Hint*: Use the api explored in question 2).
 - a. How would I take in a Double input?
 - b. How would I take in an Int input?
- 4. Notice the API below that I accessed for a String labeled dogName.



- a. What is the method highlighted?
- b. What are the parameters? How do you know?
- c. Specify a valid argument I can pass into the method
- The print statement below has an error because it is missing something.

```
print(Dogname + "is cute");
```

a. What is it missing? What is the significance of that missing code? (Hint: visit slides about I/O)



- b. The creation of the Scanner object above doesn't work because it's missing something. What is it missing? What is the significance of that missing code?
- 6. Using **printf()** and the variable dogName from above, how can I print "Jalapena is cute" in the console?
- 7. Attempt the BodyMassIndexActivity.java Lab from your class examples