Introduction to Eclipse

Eclipse is an IDE-- an interactive development environment

IDEs provide support in organizing projects, debugging code, syntax help, and some code generation capabilities (i.e., generation of code for graphical user interfaces).

Let's write a 'Hello World' program:

1.In Linux, double click on the Eclipse Icon (under Development or USF CS?)

2. When you start, Eclipse will ask for a workspace directory. You can choose the default or call it 'javaProjects'.

3. Create a new project by choosing File | New Project. Select a project type of 'Java Project', then name your project "TestProj". Have the system create the project in the workspace (you can also choose an existing directory which has Java code in it). You should see your project in the package explorer in the left panel. If the package explorer is not displayed, choose Window | ShowView | Package Explorer.

4. Create a new class by choosing File | New Class. Call the class "Foo". In the Java Class dialog, select the checkbox for asking the system to generate a main method for you in the class. Choose the defaults for everything else.

5. In your Foo class main method, add the line,

```
System.out.println("Hello") ;
```

6. Save your class then find it in the Package Explorer. It should appear under Project TestProj within something called the 'default package'.

7. Right-click on the class in the package explorer and choose 'Run As'. Select Java Application as the application type. The prints for the program will appear in the bottom panel, which is where you'd also enter user input.

Next Step
Create a new project named ParkingLot. When the new project dialog appears, choose to get the source code from existing code, and find the directory where you've already a class for ParkingLot (if that code is in a big giant directory with other files, first go into Linux and create a new subdirectory for it—mkdir creates a directory in Linux. You can move a file with:

```
mv file newDir/.
```

Debugging—I'll show you how to debug programs in the next Eclipse tutoria