

Guide to Setting up JCreator to execute Marine Bio

1. Open JCreator
2. Click the Configure\Options menu command.
3. Click the Directories entry on the left.
4. Change the “Default Project Directory” to “My Documents\Java files” (“My Documents\Data Structures files” if you are a Data Structures student).
5. Click Apply and then click Ok.
6. Open the network Hand Out folder.
7. Use the Edit\CopY menu command to copy the Code, DataFiles, & Documentation folders to your clipboard. These folders can be found within the Marine Bio. They were downloaded for free via the “Complete download” link at http://www.collegeboard.com/student/testing/ap/compsci_a/case.html
8. Paste these three folders into your My Documents\Java files\MarineBio folder. (If you are a Data Structures student, the middle folder is Data Structures files rather than Java files.
9. Click the menu command File\New and then click the Workspaces tab in JCreator.
10. Type MarineBioWorkspace as the name of the new workspace.
11. Set the workspace directory to your My Documents\Java files\MarineBio folder (with Data Structures files substituted for Java files if you are in that class).
12. Click Ok.
13. Click the Project\New Project menu command.
14. Click “Empty Project” and type MarineBioProject as the name of the new project.
15. The “add to current workspace” option should be checked.
16. Click Ok.
17. Open your My Documents window. Browse to your My Documents\Java files\MarineBio\Code folder (substitute Data Structures files for Java files if you are in that class.) Hold down the control (Ctrl) key and select the 10 java source files (they probably show a blue J on their icons) as well as the 2 jar files (they probably show a red A on their icons). Click the Edit\CopY menu command to copy these files to your clipboard.
18. Browse to your My Documents\Java files\MarineBio\MarineBioWorkspace\MarineBioProject folder and paste these 12 files into that folder.
19. From within JCreator, click the menu command Project\Add Files...
20. Highlight the 10 java source files that you copied into your MarineBioProject folder. DO NOT highlight the copies of these 10 java source files that are in your Code folder. Those 10 copies should be used as back-ups in case you eventually modify the 10 copies in your MarineBioProject folder.
21. Click Open to add these java source files to your project named MarineBioProject (which is within your workspace named MarineBioWorkspace).
22. Click the Project\Project Settings menu command.
23. Click the Required Libraries tab.
24. Click the New button.

25. Type the name MBSjars as the name of your new library. (This is the name Maria Litvin uses in her similar guide to using JCreator and Marine Bio).
26. Click the Add button and then the Add Archive submenu command.
27. Highlight the two jar files that appear in the window. They are located in your MarineBioProject folder. Click Open. Click OK. Check the MBSjars library checkbox. Click OK.
28. Click the Build\Compile Project menu command (or press F7) to compile the whole project (all of the java source files.)
29. Click the Build\Execute Project menu command (or press F5) to execute the project.
30. The project includes three java source files that include main methods. By default, the project is set to execute the main method that is in the MBSGUI.java source file. If you want to execute the SimpleMBSDemo1.java or the SimpleMBSDemo2.java main methods, you must click the Project\Project Settings menu command and change the drop down box next to the word “Run” at the top of the window.
31. When you exit from JCreator, click Yes to the “Save the workspace modifications” dialog.
32. To close the MarineBioWorkspace workspace in order to begin an unrelated Java program on your computer, click the File\Close Workspace menu command.
33. To reopen the MarineBioWorkspace workspace, click the File\Open Workspace menu command and browse to your My Documents\Java files\MarineBio\MarineBioWorkspace folder (where Data Structures files should be substituted for Java files if you are in that class) and double-click the MarineBioWorkspace.jcw file.