



Slide 2

Command-Line Arguments
<ul> <li>Many mechanisms for starting programs provide a way of passing them information without using files or standard input — "command-line arguments". Example — when you type at the command line         <pre>ls -l myfile</pre> -l and myfile are passed to the ls in this way.</li></ul>
<ul> <li>C programs can receive command-line arguments by declaring main as int main(int argc, char *argv[]) or equivalent, where argc is the number of arguments and argv is an</li> </ul>
array of C-style strings. By convention the zero-th argument is something identifying the program (e.g., its name). So in the ls example above, there would be three arguments

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## Command-Line Arguments, Continued Java main methods also receive command-line arguments via arguments passed to main. main must always be declared with an argument of type String[], which is a Java array containing the arguments. A Java equivalent of 1s would get only two arguments for the example of the previous slide. Eclipse unfortunately doesn't make it that easy to invoke programs with command-line arguments that vary from execution to execution, but it's possible. An alternative is to run the program from the command line: java MainClass arg1 arg2 or for your game something like java -classpath bin:PAD2.jar MainClass arg1 arg2 (Replace ":" with ";" on Windows.)









