

```
1: // $Id: parseint.java,v 1.1 2015-12-11 17:06:45-08 - - $
2:
3: //
4: // Illustrate try-catch convert args to integers.
5: // Iterate over each element of args and attempt to convert it to
6: // an integer. If it succeeds, print the integer. If not, catch
7: // the error and print an error message.
8: //
9:
10: import static java.lang.System.*;
11:
12: class parseint {
13:     public static void main (String[] args) {
14:         for (int argi = 0; argi < args.length; ++argi) {
15:             String arg = args[argi];
16:             out.printf ("args[%d] = \"%s\\\": ", argi, arg);
17:             try {
18:                 int value = Integer.parseInt (arg);
19:                 out.printf ("is int %d\\n", value);
20:             } catch (NumberFormatException error) {
21:                 out.printf ("NumberFormatException: %s\\n",
22:                     error.getMessage());
23:             }
24:         }
25:     }
26: }
27:
28: //TEST// ./parseint 214748 hello -33 '' 987 >parsetest.out
29: //TEST// mkpspdf parseint.ps parseint.java parsetest.out
30:
```

```
1: args[0] = "214748": is int 214748
2: args[1] = "hello": NumberFormatException: For input string: "hello"
3: args[2] = "-33": is int -33
4: args[3] = "": NumberFormatException: For input string: ""
5: args[4] = "987": is int 987
```