

SPIM.java

```
1  // Copyright 2013 Bill Campbell, Swami Iyer and Bahar Akbal-Delibas
2
3  package spim;
4
5  /**
6   * This is a Java wrapper class for the SPIM runtime object SPIM.s. Any j--
7   * program that's compiled for the SPIM target must import this class for (file
8   * and console) IO operations. Note that the functions have no implementations
9   * here which means that if the programs using this class are compiled using
10  * j--, they will compile fine but won't function as desired when run against
11  * the JVM. Such programs must be compiled using the j-- compiler for the SPIM
12  * target and must be run against the SPIM simulator.
13  */
14
15  public class SPIM {
16
17      /** Wrapper for SPIM.printInt(). */
18
19      public static void printInt(int value) {
20      }
21
22      /** Wrapper for SPIM.printFloat(). */
23
24      public static void printFloat(float value) {
25      }
26
27      /** Wrapper for SPIM.printDouble(). */
28
29      public static void printDouble(double value) {
30      }
31
32      /** Wrapper for SPIM.printString(). */
33
34      public static void printString(String value) {
35      }
36
37      /** Wrapper for SPIM.printChar(). */
38
39      public static void printChar(char value) {
40      }
41
42      /** Wrapper for SPIM.readInt(). */
43
44      public static int readInt() {
45          return 0;
46      }
47
48      /** Wrapper for SPIM.readFloat(). */
49
50      public static float readFloat() {
51          return 0;
52      }
53
54      /** Wrapper for SPIM.readDouble(). */
55
56      public static double readDouble() {
57          return 0;
58      }
59
60      /** Wrapper for SPIM.readString(). */
61
62      public static String readString(int length) {
63          return null;
64      }
65
66      /** Wrapper for SPIM.readChar(). */
```

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```

67
68     public static char readChar() {
69         return ' ';
70     }
71
72     /** Wrapper for SPIM.open(). */
73
74     public static int open(String filename, int flags, int mode) {
75         return 0;
76     }
77
78     /** Wrapper for SPIM.read(). */
79
80     public static String read(int fd, int length) {
81         return null;
82     }
83
84     /** Wrapper for SPIM.write(). */
85
86     public static int write(int fd, String buffer, int length) {
87         return 0;
88     }
89
90     /** Wrapper for SPIM.close(). */
91
92     public static void close(int fd) {
93     }
94
95     /** Wrapper for SPIM.exit(). */
96     public static void exit() {
97     }
98
99     /** Wrapper for SPIM.exit2(). */
100    public static void exit2(int status) {
101    }
102
103
104
105 }
106

```

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