

Main.java

```
1 import java.io.IOException;
2
3
4 public class Main
5 {
6
7     /**
8      * A simple program to capture key presses from System.in
9      * Note that the input stream will not indicate anything
10     * available until after a end of line is entered, then each
11     * character will be processed one at a time.
12     * The stream read() method returns an int, so it must be first typecast
13     * to a char and then into a string
14     * @author Mr. Page
15     */
16     public static void main(String[] args)
17     {
18         String key = "";
19         while(true)
20         {
21             try
22             {
23                 // wait for input to become available
24                 while(System.in.available() == 0)
25                 {
26                     Thread.sleep(10);
27                 }
28             }
29             catch (InterruptedException e)
30             {
31                 die(e);
32             }
33             catch (IOException e)
34             {
35                 die(e);
36             }
37             try
38             {
39                 key = "" + (char)System.in.read();
40                 // eliminate white space
41                 if(!key.equals("\n") && !key.equals("\r") && !key.equals("\t") &&
42                 !key.equals(" "))
43                 // this is where you would process the key press
44                 System.out.println("you pressed " + key);
45             }
46             catch (IOException e)
47             {
48                 die(e);
49             }
50         }
51     }
52 }
53 /**
54  * on error, print the stack trace and kill the program
55  * @param e - the exception that was thrown
56  */
57 public static void die(Exception e)
```

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```
58     {  
59         e.printStackTrace();  
60         System.out.println("Die! Die! Die!");  
61         System.exit(1);  
62     }  
63  
64 }  
65
```