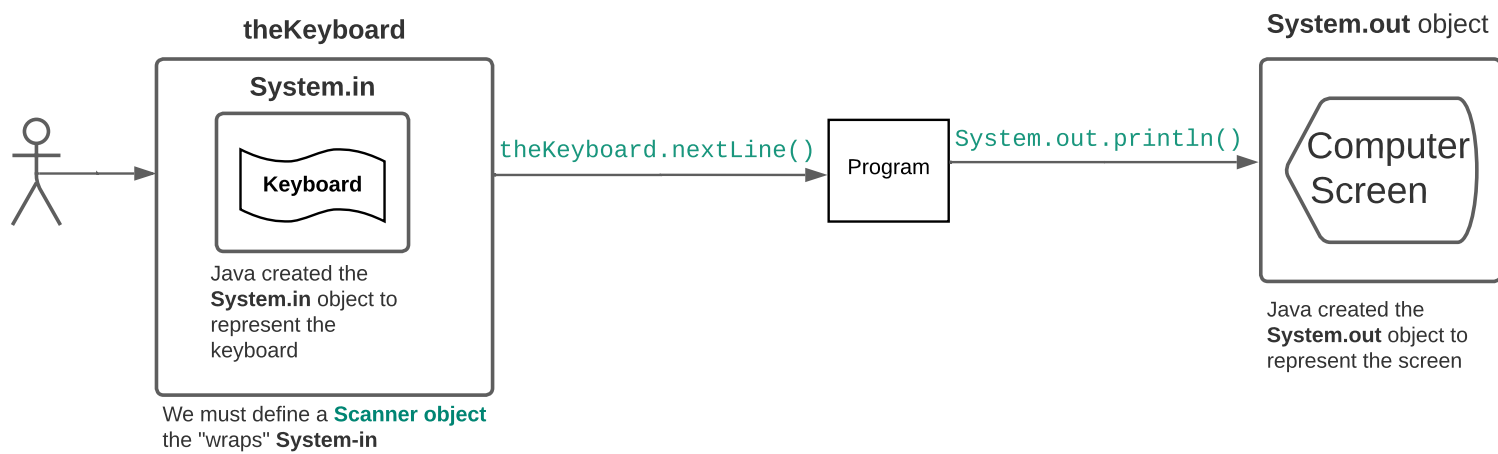


02-Command-Line-Input Notes



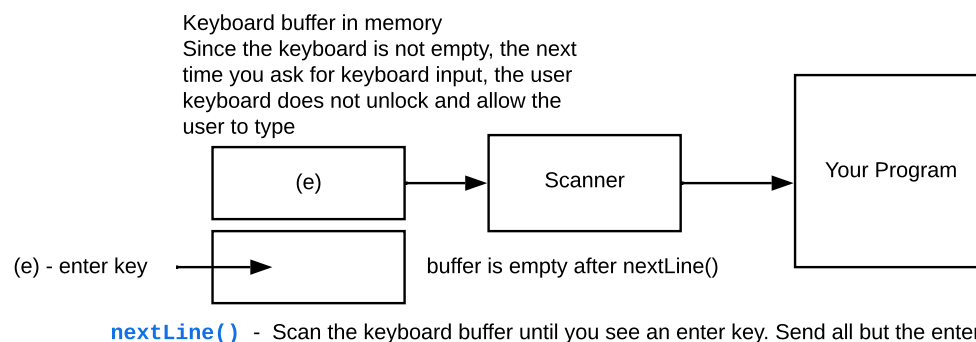
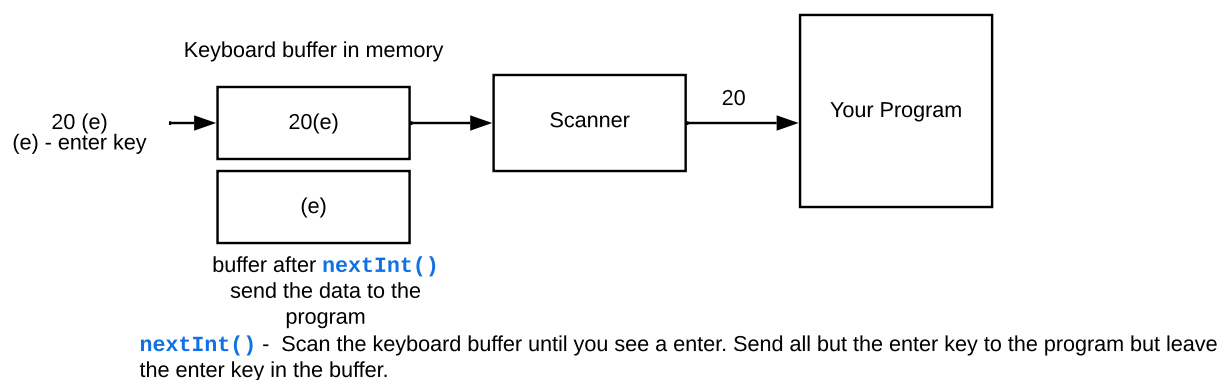
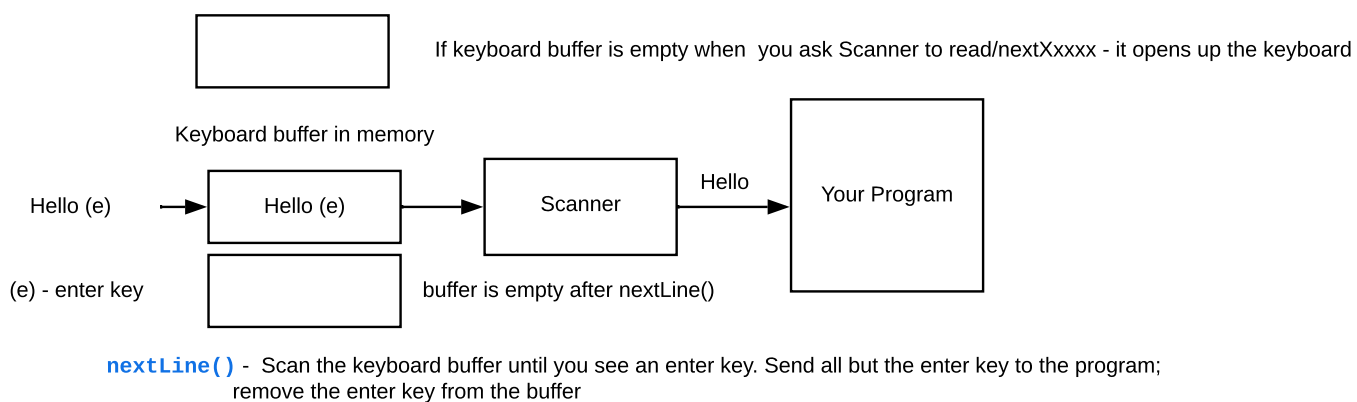
Any keyboard input is saved in a memory area called a buffer as it is typed by the user.

Scanner will scan the keyboard buffer until it finds an invalid character or enter.

When it finds the enter key, it returns all characters from the start of the scan up to but not including the enter key.

nextLine() removes the enter key from the buffer;
nextInt(), **nextDouble** and any other numeric next leaves the enter key in the buffer.

If it finds an invalid character it throws an Exception (error).



To avoid issues when reading from the keyboard:

1. Use **nextLine()** to read the input as a String
2. Convert the String to numeric value if needed using **Integer.parseInt()** or **Double.parseDouble()**, et al

-OR-

if you use **nextInt()**, **nextDouble()** or any other next with a numeric type, do a **nextLine()** immediately afterwards to clear the keyboard buffer of the enter key left in it.