

Console.java

```
/*package corejava;*/

```

Console.java

```
/**  
 * read an integer from the console. The input is  
 * terminated by a newline  
 * @param prompt the prompt string to display  
 * @return the input value as an int  
 * @exception NumberFormatException if bad input  
 */  
public static int readInt(String prompt)  
{ while(true)  
{ printPrompt(prompt);  
try  
{ return Integer.valueOf  
 (readLine().trim()).intValue();  
} catch(NumberFormatException e)  
{ System.out.println  
 ("Not an integer. Please try again!");  
}  
}  
}  
  
/**  
 * read a floating point number with Double precision from console.  
 * The input is terminated by a newline  
 * @param prompt the prompt string to display  
 * @return the input value as a double  
 * @exception NumberFormatException if bad input  
 */  
public static double readDouble(String prompt)  
{ while(true)  
{ printPrompt(prompt);  
try  
{ return Double.parseDouble(readLine().trim());  
}  
catch(NumberFormatException e)  
{ System.out.println  
 ("Not a floating point number. Please try again!");  
}  
}  
}  
  
/**  
 * read a floating point number from the console.  
 * The input is terminated by a newline  
 * @param prompt the prompt string to display  
 * @return the input value as a float  
 * @exception NumberFormatException if bad input  
 */  
public static float readFloat(String prompt)  
{ while(true)  
{ printPrompt(prompt);  
try  
{ return Float.parseFloat(readLine().trim());  
}  
catch(NumberFormatException e)  
{ System.out.println  
 ("Not a floating point number. Please try again!");  
}  
}  
}
```