

Java Console and File Input/Output Cheat Sheet

Console Output

```
System.out.print("Hello ");
System.out.println("world");
```

Console Input

```
BufferedReader in = new BufferedReader(new InputStreamReader(System.in));
String text = in.readLine();
```

File Output

```
PrintWriter out = new PrintWriter(new FileWriter("K:\\location\\outputfile.txt"));
out.print("Hello ");
out.println("world");
out.close();
```

File Input

```
BufferedReader in = new BufferedReader(new FileReader("K:\\location\\inputfile.txt"));
String text = in.readLine();
in.close();
```

Converting input data

```
String text = in.readLine();
int x = Integer.parseInt(text);
double y = Double.parseDouble(text);
```

Reading until EOF

```
while (in.ready()) {
    text = in.readLine();
    System.out.println(text);
}
```

Pulling apart delimited items on a line

```
String text = "Beggars in Spain*Nancy Kress*1992";
StringTokenizer tokenizer = new StringTokenizer(text, "*");
String title = tokenizer.nextToken();
String author = tokenizer.nextToken();
String year = tokenizer.nextToken();
```

```
String letters = "a b c d e f g h i j";
StringTokenizer tokenizer = new StringTokenizer(text, " ");
String[] allText = new String[10];
int pos = 0;
while (tokenizer.hasMoreTokens())
    allText[pos++] = tokenizer.nextToken();
```