Lab 1 — Points to note

Andrew Butterfield

Department of Computer Science
School of Computer Science and Statistics
Trinity College, Dublin

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Issues arising in Lab 1

- How many languages? Where?
- How to produce new lines
- Error messages
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We have encountered two computer languages

- **Javascript** (the programming language we are studying)
- **HTML** (used to describe web-pages)
- We also deal in Javascript with **general strings of characters**.

We can identify these as follows:

- Webpages (.htm/.html files) contain **HTML**.
- In webpages, Javascript is bracketed in `<SCRIPT>...</SCRIPT>` tags.
- Within Javascript, we find **general strings** within double quotes . . .
- . . . except as the string argument of a `document.write` command, when it is interpreted as **HTML**.
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<html>
<head />
<body>
<script type="text/javascript">
    document.write("<p>A test</p><p>No emergency.</p>");
    alert("Read the text, please");
    document.write("<p><b>Real emergency !!</b></p>" );
</script>
</body>
</html>
...or more simply

```javascript
<script>
  document.write("<p>A test</p><p>No emergency.</p>");
  alert("Read the text, please");
  document.write("<p><b>Real emergency !!</b></p>");
</script>
```
In **HTML** and **general strings** we often wish to specify a line-break:

- In **HTML** we use `<BR />` tags
  
  First Line `<BR />`

- In **text strings** we use the “escape character sequence” \n.
  
  ”Line 1 \n Line 2”

- We don’t put line-breaks into the string directly, so the following does not work
  
  ”Line 1
  
  Line 2”
How to produce new lines

In **HTML** and **general strings** we often wish to specify a line-break:

- **In HTML** we use \(\langle\text{BR} \rangle\) tags
  
  First Line \(\langle\text{BR} \rangle\)

- **In text strings** we use the “escape character sequence” \(\text{n.}\)  
  
  “Line 1 \n  Line 2”

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  First Line `⟨BR /⟩`

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  Line 2”
You may have noticed that you get very poor feedback if there is an error in your code!

Good browsers (like Firefox) provide an “Error Console” where useful error messages do appear.

In the labs you will learn how to access and use this feature.