MODULE 2q - Browsing

There are numerous Web Browsers. When using PWF Linux you can conveniently use the Mozilla Firefox Web Browser...

From a shell, key in the following command:

```
c207@pccl504:~>  firefox  http://www.cl.cam.ac.uk &
```

Note that http://www.cl.cam.ac.uk is the URL of the Computer Laboratory's Home Page. After a short wait the Mozilla browser window appears. Enlarge (or shrink) this to fill about 90% of the root window.

If there is an Alert that the URL could not be found, you probably keyed it in incorrectly. Click OK in the Alert box and then click in the box under Help near the top of the window. Key in the correct URL and press RETURN.

You should now be looking at the Home Page of the Computer Laboratory and it is a good idea to make this page your browser's Home Page:

Click the Edit menu

Click Preferences...

Click Use Current Page

Click OK

Via the File Menu, Quit from the browser.

Note the circular button on the menu bar to the right of the Desktop menu. This is rather small but it shows a map of part of the world with a red fox wrapped around it! This is the Firefox-Web-Browser button:

Click the Firefox-Web-Browser button

In theory, this should again bring up the Home Page of the Computer Laboratory. If it doesn't, click the Home button which looks like a little house. It is on the button bar below Bookmarks on the menu bar. You shouldn't have any trouble on entry in future.

You will see a list of headings including 'Other Information'.
[You may have to scroll down to find this heading.]

Click Other Information

This brings up more headings including 'Documentation'.

Click Documentation

This brings up more headings including 'Java documentation'.

Click Java documentation

This brings up Local Java Documentation. Scroll down and under ‘Contents’ note the link ‘Tutorials’.

Click Tutorials

Note, under ‘2.1 The Java Tutorial’, a line beginning "Magha Puja Day..."

Click "Magha Puja Day..."

This brings up an on-line Tutorial. Some people like this document and it is worth exploring it later but not now!

Near the top left-hand corner of the Mozilla window under File there is a left-pointing arrow. This is the Go-back-one-page button...

Click Go-back-one-page

This takes you back to the ‘Local Java Documentation’ page which contains the line beginning "Magha Puja Day..." but you may have to scroll up a little to see it.

Click Go-back-one-page [again]

Scroll up (if necessary) to check that you are back at the Local Java Documentation page.

Scroll down (if necessary) and notice that the first link under the ‘Contents’ heading is ‘API Reference Manuals’.

Click API Reference Manuals

Note the sub-heading ‘1.1 Java Development Toolkit’ under which is the link ‘J2 SDK 1.4.0 update 1’.

Click J2 SDK 1.4.0 update 1

Scroll down to the heading ‘API & Language Documentation’ and note the sub-heading ‘Java 2 Platform API Specification’

Click Java 2 Platform API Specification

The Mozilla window then subdivides into three frames one of which is headed ‘All Classes’.

In the ‘All Classes’ frame, carefully scroll down to the entry ArrayIndexOutOfBoundsException

Click ArrayIndexOutOfBoundsException

An explanation appears in another frame.

Do not expect to understand the entry in detail but, on scrolling through it, note that you are told that this exception is ‘Thrown to indicate that an array has been accessed with an illegal index. The index is either negative or greater than or equal to the size of the array.’

This is a standard way of looking up information about Java classes.

Now return to the Computer Laboratory Home Page:

Click the Home button

[Another way of returning to the Home Page is to select the Home entry in the Go menu.]

This should once again bring up the familiar Home Page.

Click Information for Current Students

Note in particular the links to information about the Lecture list, Teaching course material, Syllabuses, Past examination papers and formal notices about examinations. Try some exploring.

Via the File menu, Quit from the browser.

OTHER TASKS

By this stage of the course you should be able to attempt the following problems in the Problems sheet:

1. The Fibonacci Series Problem
2. The Greenfly Problem
3. All Prime Numbers less than 600
4. A Sort Problem