Sample answers for tutorial #7 (for week 12) (Mar 25, 2003)

28th March 2003

The following questions will be considered during the tutorial sessions on Tuesday. They are taken from last year's exam.

Q1: Write the Java/Swing code for a small application with two buttons, and a text entry box with a label, laid out as shown in this image.



Answer: - perhaps something like this:

Q2: When programming using the AWT toolkit, when you add something to a frame, you would do something like

```
frame.add(panel,BorderLayout.CENTER);
```

However in Java/Swing you write

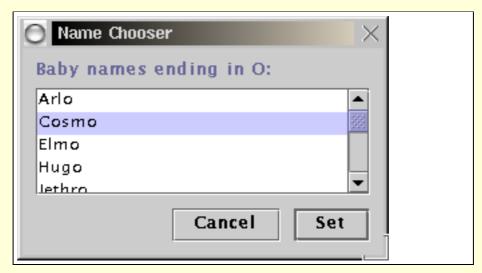
frame.getContentPane().add(panel,BorderLayout.CENTER);

Why is this done? What advantage does it give us?

Answer: Separation of content from frame - the older AWT frames were inextricably linked with the content. With the new system, the layered pane gives a clear draw-order for the components, ensuring that all components (of all sorts) are redrawn correctly.

Q3: Examine the following Java/Swing code specifying a dialog. Draw a diagram showing the resultant display when you run the code, and give a brief description of the function of the dialog. (What does it look like? What does it do?). Obvious code has been elided for clarity.

Answer:



Allows you to select names...