

- I. Create a `JList` (with your own list model) that will show temperature information in the form of:

k degrees C = f degrees F

where k varies from -70 to +60.

Also add *renderer* that will color the lines:

- at temperatures below 6 degrees - in blue color
- at temperatures greater than 25 - in red color

<https://docs.oracle.com/javase/7/docs/api/javax/swing/ListCellRenderer.html>

<https://docs.oracle.com/javase/tutorial/uiswing/components/combobox.html#renderer>

- II. Create a table *JTable* showing books. The book is determined by the author, title, price and cover (picture). Information about books is to be loaded from a file (and pictures from graphic files from the same directory).

*Index of useful terms:*

- `TextField`
- `JList`
- `ListModel`
- `KeyListener`
- `KeyAdapter`
- `keyPressed()`
- `MouseEvent`
- `isAltDown()`
- `getSelectedValue()`
- `JTable`
- `TableModel`
- `getColumnCount()`
- `getRowCount()`
- `getValueAt()`
- `setValueAt()`
- `ImageIcon`
- `JLabel`

A site worth visiting when looking for information:

<https://docs.oracle.com/javase/tutorial/uiswing/components/index.html>