



Timers – JProgressBar Orientation

By default the JProgressBar will be displayed horizontally, however the Developer can change its orientation to vertical, this can be achieved at initialisation or during processing, note how the String doesn't right itself ...

```
JProgressBar bar = new JProgressBar(JProgressBar.VERTICAL,0,5);  
    // JProgressBar.HORIZONTAL  
  
bar.setOrientation(JProgressBar.HORIZONTAL);
```



Timers – JProgressBar and ChangeListener



A ChangeListener can be used with a JProgressBar, this reacts each time the JProgressBar is changed ...

```
public void stateChanged(ChangeEvent event) {  
  
    int current = bar.getValue();  
    System.out.println("Progress is being made. Value is "+current);  
  
}
```

```
Progress is being made. Value is 1  
Progress is being made. Value is 2  
Progress is being made. Value is 3  
Progress is being made. Value is 4  
Progress is being made. Value is 5
```