Android – Layout (linear)
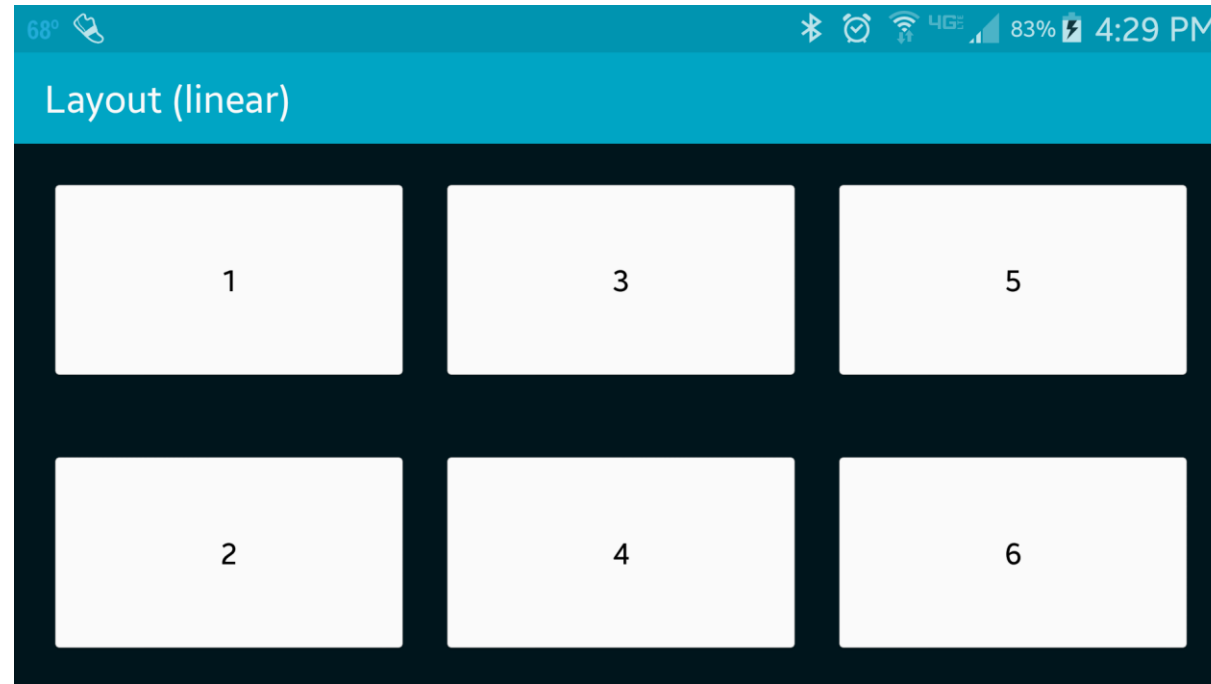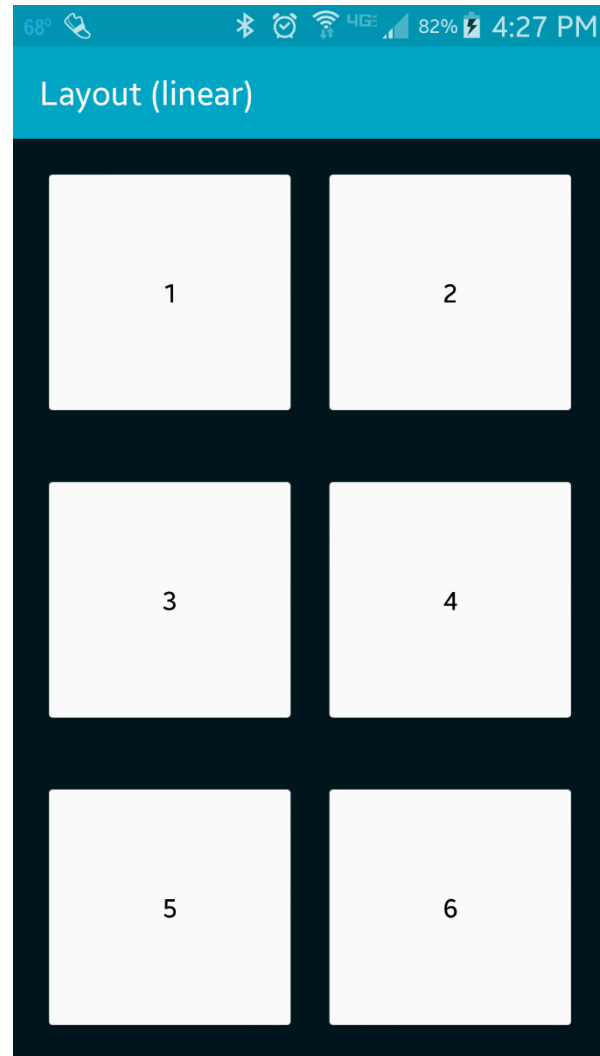
- Shows use of LinearLayout for portrait and landscape mode

- Displays six buttons arranged according to orientation

- Layout resource is referenced via indentifier `R.layout.main`

- Layout resource is picked based on screen orientation:
  - res/layout/main.xml – portrait mode
  - res/layout-land/main.xml – landscape mode

- Layout resource uses:
  - LinearLayout on top-level of view hierarchy
  - Nested Linearlayouts to achieve portrait/landscape orientation

```
<LinearLayout>
    <Button ..
    .... />
</LinearLayout>
```

Layout parameters in <Button> must match capabilities defined in LinearLayout

- Layout resources uses:
  - 3 nested LinearLayout to achieve portrait orientation of six button
  - 2 nested LinearLayout to achieve landscape orientation

References

- [Layout objects](#)
- [LinearLayout](#)
- [LinearLayout.LayoutParams](#)
- [Button](#)

Exercise

- Change the application such that the positions of the buttons 1 and 6 are swapped in landscaped mode (i.e., button "6" should be in the upper left corner). The position of the buttons in portrait mode should remain unchanged.