Android - Layout (linear)

- Shows use of LinearLayout for portrait and landscape mode
- Displays six buttons arranged according to the orientation
- Layout resource is referenced via identifier `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 by LinearLayout

- Layout resource uses
  - 3 nested LinearLayout to achieve portrait orientation of six buttons
  - 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 landscape mode (i.e., button "6" should be in the upper left corner while button "1" in the lower right corner). The position of the buttons in portrait mode should remain unchanged.