# Android - List

- Application to demonstrate `ListActivity` that displays items as a vertical list
- List item can be an arbitrary view (here, `TextView`)
- The main activity is derived from `ListActivity`

- `ArrayAdapter` can be used to fill the `ListActivity` with values
- The `ArrayAdapter` needs
  - Resource ID for a layout file containing a `TextView`
  - Objects - String array with values to be shown
- `getListView()`
  - Used to retrieve the ListView

- A click listener is set which will be invoked when an item is selected
- `onItemClick()`
  - Callback invoked when item is selected
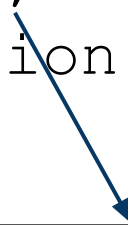
```
onItemClick(AdapterView<?>
parent,
          View view,
          int position,
          long id)
```
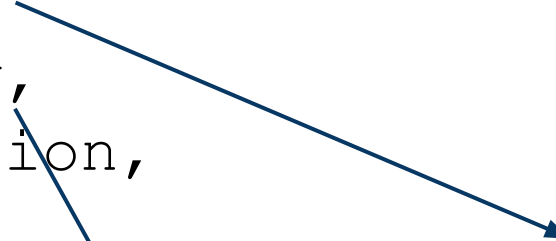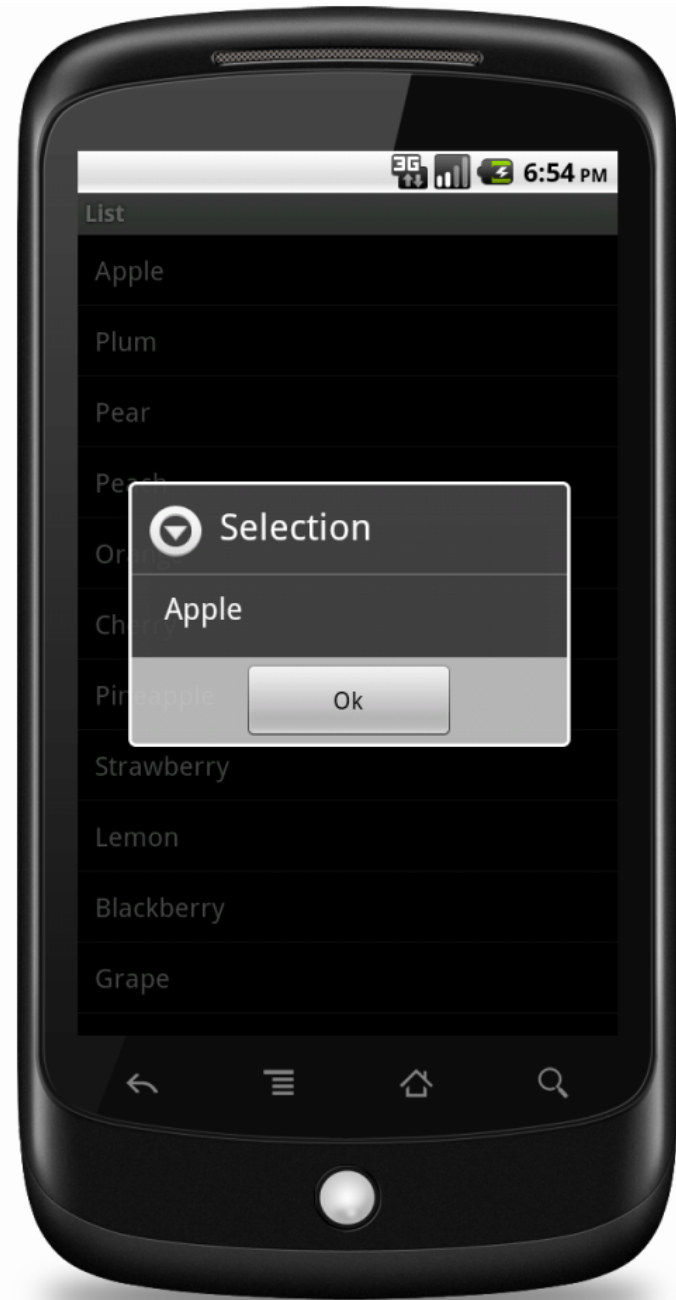
AdapterView where the click happened

View within the AdapterView that was clicked

Row ID of the item that was clicked

Position of the view in the adapter

- A list item here, is a `TextView` showing one of several fruit names hardcoded into the application
- Whenever an item of the `ListActivity` is selected, an `AlertDialog` is shown with the item that was selected
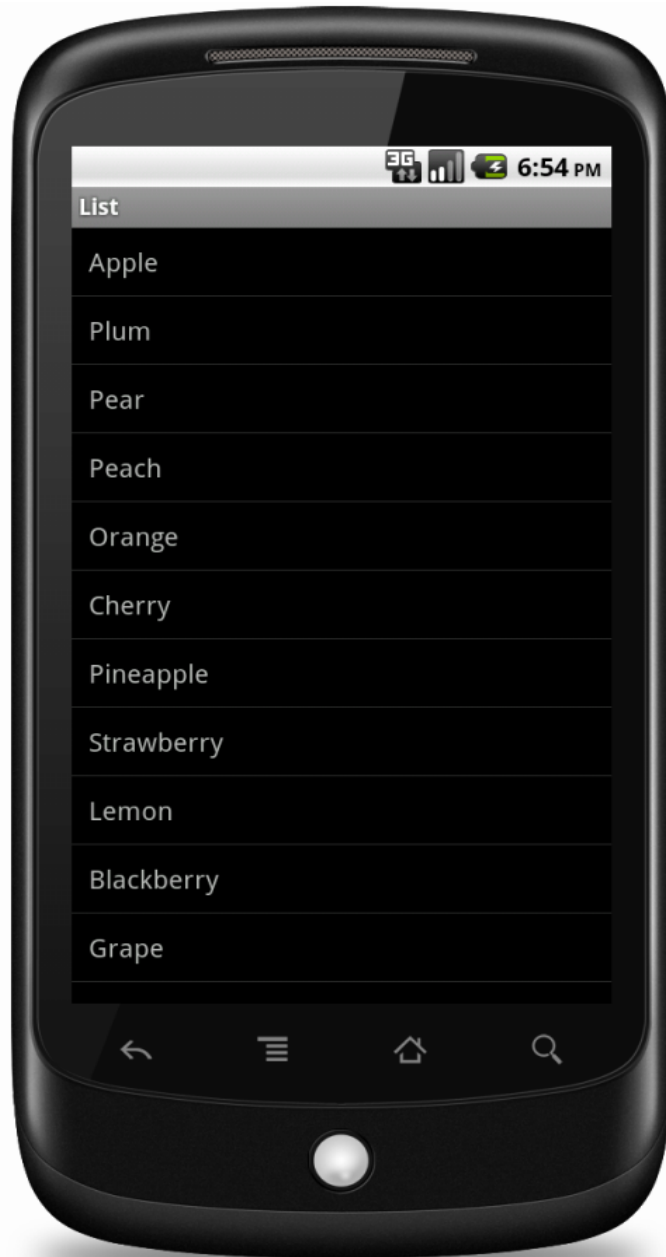
# References

- [ListActivity](#)
- [ListView](#)
- [ArrayAdapter](#)
- [AlertDialog](#)

# Exercise

- Nothing to do!