

```
1: package com.delta.abstraction;
2:
3: import android.app.Activity;
4: import android.os.Bundle;
5: import android.view.Menu;
6: import android.view.MenuItem;
7:
8: public class AbstractionActivity extends Activity {
9:
10:     @Override
11:     protected void onCreate(Bundle savedInstanceState) {
12:         super.onCreate(savedInstanceState);
13:         setContentView(R.layout.activity_abstraction);
14:         //
15:         // Start here
16:         //
17:
18:         Fan myFan = new Fan();
19:         Light myLight = new Light();
20:
21:         myFan.breakDevice();
22:         myLight.breakDevice();
23:
24:
25:     }
26:
27:
28:     @Override
29:     public boolean onCreateOptionsMenu(Menu menu) {
30:
31:         // Inflate the menu; this adds items to the action bar if it is present.
32:         getMenuInflater().inflate(R.menu.abstraction, menu);
33:         return true;
34:     }
35:
36:     @Override
37:     public boolean onOptionsItemSelected(MenuItem item) {
38:         // Handle action bar item clicks here. The action bar will
39:         // automatically handle clicks on the Home/Up button, so long
40:         // as you specify a parent activity in AndroidManifest.xml.
41:         int id = item.getItemId();
42:         if (id == R.id.action_settings) {
43:             return true;
44:         }
45:         return super.onOptionsItemSelected(item);
46:     }
47:
48: }
```

```
1: package com.delta.abstraction;
2:
3: /**
4:  * Created by learnovate on 2/20/14.
5:  */
6: public abstract class Device {
7:
8:     protected String deviceName;
9:     protected boolean isOn;
10:
11:     public abstract void breakDevice();
12:
13:     public String getDeviceName() {
14:         return deviceName;
15:     }
16:
17:     public void setDeviceName(String deviceName) {
18:         this.deviceName = deviceName;
19:     }
20:
21:     public boolean isOn() {
22:         return isOn;
23:     }
24:
25:     public void setOn(boolean isOn) {
26:         this.isOn = isOn;
27:     }
28: }
```

```
1: package com.delta.abstraction;
2:
3: import android.util.Log;
4:
5: /**
6:  * Created by learnovate on 2/20/14.
7:  */
8: public class Fan extends Device {
9:
10:
11:     public Fan(){
12:         setDeviceName("FAN");
13:     }
14:
15:     public void breakDevice(){
16:         Log.e(getDeviceName(), "BANG, CRASH!.....oops.");
17:     }
18: }
```

```
1: package com.delta.abstraction;
2:
3: import android.util.Log;
4:
5: /**
6:  * Created by learnovate on 2/20/14.
7:  */
8: public class Light extends Device {
9:
10:     public Light(){
11:         setDeviceName("LIGHT");
12:     }
13:     @Override
14:     public void breakDevice() {
15:         Log.e(getDeviceName(), "Glass Everywhere!.... i guess its not that bad");
16:     }
17: }
```

1	abstraction/src/main/java/com/delta/abstraction/AbstractionActivity.java	1	pages	48	lines	14/09/18	15:58:39
2	abstraction/src/main/java/com/delta/abstraction/Device.java	1	pages	28	lines	14/09/18	15:58:39
3	abstraction/src/main/java/com/delta/abstraction/Fan.java	1	pages	18	lines	14/09/18	15:58:39
4	abstraction/src/main/java/com/delta/abstraction/Light.java	1	pages	17	lines	14/09/18	15:58:39