```java
package com.delta.abstraction;

import android.app.Activity;
import android.os.Bundle;
import android.view.Menu;
import android.view.MenuItem;

public class AbstractionActivity extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_abstraction);
        //
        // Start here
        //

        Fan myFan = new Fan();
        Light myLight = new Light();

        myFan.breakDevice();
        myLight.breakDevice();


    }


    @Override
    public boolean onCreateOptionsMenu(Menu menu) {

        // Inflate the menu; this adds items to the action bar if it is present.
        getMenuInflater().inflate(R.menu.abstraction, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        // Handle action bar item clicks here. The action bar will
        // automatically handle clicks on the Home/Up button, so long
        // as you specify a parent activity in AndroidManifest.xml.
        int id = item.getItemId();
        if (id == R.id.action_settings) {
            return true;
        }
        return super.onOptionsItemSelected(item);
    }

}
```

```java
package com.delta.abstraction;

/**
 * Created by learnovate on 2/20/14.
 */
public abstract class Device {

    protected String deviceName;
    protected boolean isOn;

    public abstract void breakDevice();

    public String getDeviceName() {
        return deviceName;
    }

    public void setDeviceName(String deviceName) {
        this.deviceName = deviceName;
    }

    public boolean isOn() {
        return isOn;
    }

    public void setOn(boolean isOn) {
        this.isOn = isOn;
    }
}
```

```java
package com.delta.abstraction;

import android.util.Log;

/**
 * Created by learnovate on 2/20/14.
 */
public class Fan extends Device {


    public Fan(){
        setDeviceName("FAN");
    }

    public void breakDevice(){
        Log.e(getDeviceName(), "BANG, CRASH!.....oops.");
    }
}
```

```java
package com.delta.abstraction;

import android.util.Log;

/**
 * Created by learnovate on 2/20/14.
 */
public class Light extends Device {

    public Light(){
        setDeviceName("LIGHT");
    }
    @Override
    public void breakDevice() {
        Log.e(getDeviceName(), "Glass Everywhere!.... i guess its not that bad");
    }
}
```

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