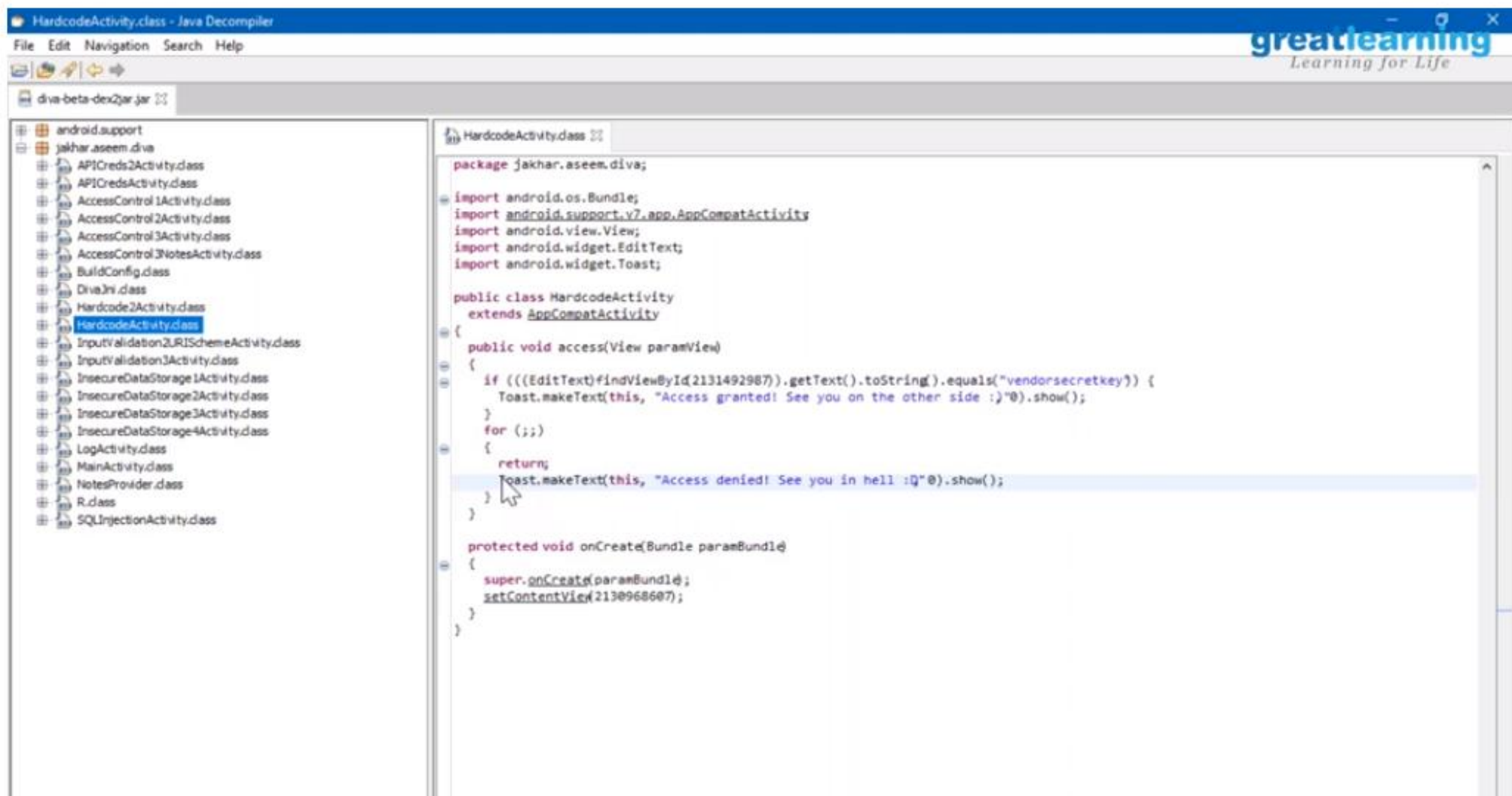


# Android Operating System

- Linux based Mobile device operating system
- Android Inc. was founded in Palo Alto, California, in October 2003 by Andy Rubin, Rich Miner, Nick Sears, and Chris White.
- Google bought in 2005, Android was unveiled in 2007
- Android is developed by a consortium of developers known as the Open Handset Alliance, with the main contributor and commercial marketer being Google.
- The core Android source code is known as Android Open Source Project (AOSP)

# Ethical Hacking on Mobile Platforms-Demonstration



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## Ethical Hacking on Mobile Platforms-Demonstration

### Insecure Logging

```
package jakhar.aseem.diva;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;

public class LoginActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_log);
    }

    public void checkout(View view) {
        EditText cctxt = (EditText) findViewById(R.id.ccText);
        try {
            // Assuming we do some HTTP requests credit card validation and processing
            // Everything seems fine and then we hit some unforeseen error
            processCC(cctxt.getText().toString());
        } catch (RuntimeException re) {
            Log.e("diva-log", "Error while processing transaction with credit card: " + cctxt.getText().toString());
            Toast.makeText(this, "An error occurred. Please try again later", Toast.LENGTH_SHORT).show();
        }
    }
}
```