

## The Life Cycle on an Activity

The screenshot displays the Eclipse IDE interface for an Android project. The main editor shows the `MainActivity.java` file with the following code:

```
public class MainActivity extends Activity {
    String tag = "Lifecycle";
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        // TODO Auto-generated method stub
        super.onCreate(savedInstanceState);
        setContentView(R.layout.main);
        Log.d(tag, "In the onCreate() event");
    }
    public void onStart() {
        super.onStart();
        Log.d(tag, "In the onStart() event");
    }
    public void onRestart() {
        super.onRestart();
        Log.d(tag, "In the onRestart() event");
    }
    public void onResume() {
        // ...
    }
}
```

The LogCat window at the bottom shows the following output:

L.	Time	PID	TID	Application	Tag	Text
D	01-23 04:14:26...	1104	1104	com.arvind.helloworld	Lifecycle	In the onCreate() event
D	01-23 04:14:26...	1104	1104	com.arvind.helloworld	Lifecycle	In the onStart() event
D	01-23 04:14:26...	1104	1104	com.arvind.helloworld	Lifecycle	In the onResume() event
D	01-23 04:14:26...	1104	1104	com.arvind.helloworld	gralloc_goldfish	Android runtime did not initialize correctly.
I	01-23 04:14:27...	370	384	system_process	ActivityManager	Displayed com.arvind.helloworld/MainActivity: +

Samruddhi Computers



## Samrudhi Computers, Ladnun

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**src/com.arvind.helloworld/MainActivity.java**

```
package com.arvind.helloworld;

import android.app.Activity;
import android.os.Bundle;
import android.util.Log;

public class MainActivity extends Activity {
    String tag = "Lifecycle";
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        // TODO Auto-generated method stub
        super.onCreate(savedInstanceState);
        setContentView(R.layout.main);
        Log.d(tag, "In the onCreate() event");
    }
    public void onStart()
    {
        super.onStart();
        Log.d(tag, "In the onStart() event");
    }
    public void onRestart()
    {
        super.onRestart();
        Log.d(tag, "In the onRestart() event");
    }
    public void onResume()
    {
        super.onResume();
        Log.d(tag, "In the onResume() event");
    }
    public void onPause()
    {
        super.onPause();
        Log.d(tag, "In the onPause() event");
    }
    public void onStop()
    {
        super.onStop();
        Log.d(tag, "In the onStop() event");
    }
    public void onDestroy()
    {
        super.onDestroy();
        Log.d(tag, "In the onDestroy() event");
    }
}
```

HelloWorld Program में ही कुछ कोडिंग extra जोड़ दी गई है LogCat की window को open करने के लिये Menu में

Windows > Show View > Other... को open करेगे तो उसमे LogCat दिखाई देगा जिसमे आप Life Cycle देखेगे