

11:45

0.06 KB/s



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Reg no: 2547159

Go

## Activity Lifecycle Logs

```
01-19 23:45:57.313 13017 13017 D MainActivity:  
OnCreate called  
01-19 23:45:57.903 13017 13017 D MainActivity:  
OnStart called  
01-19 23:45:58.323 13017 13017 D MainActivity:  
OnResume called  
01-19 23:46:04.992 13017 13017 D MainActivity:  
OnPause called  
01-19 23:46:05.561 13017 13017 D MainActivity:  
onStop called  
01-19 23:46:05.565 13017 13017 D MainActivity:  
OnDestroy called  
01-19 23:46:05.641 13017 13017 D MainActivity:  
OnCreate called  
01-19 23:46:06.141 13017 13017 D MainActivity:  
OnStart called  
01-19 23:46:06.811 13017 13017 D MainActivity:  
OnResume called  
01-19 23:46:07.404 13017 13017 D MainActivity:  
OnPause called  
01-19 23:46:07.930 13017 13017 D MainActivity:  
onStop called  
01-19 23:46:07.931 13017 13017 D MainActivity:  
OnDestroy called  
01-19 23:46:08.015 13017 13017 D MainActivity:  
OnCreate called  
01-19 23:46:08.453 13017 13017 D MainActivity:  
OnStart called  
01-19 23:46:08.840 13017 13017 D MainActivity:  
OnResume called
```

### MainActivity.kt

```
package com.example.splash

import android.annotation.SuppressLint
import android.os.Bundle
import android.util.Log
import android.widget.TextView
import androidx.appcompat.app.AppCompatActivity
import java.io.BufferedReader
import java.io.IOException
import java.io.InputStreamReader

class MainActivity : AppCompatActivity() {
    private val TAG = "MainActivity"
    private val TAG2 = "Error"

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        Log.d(TAG, "OnCreate called")
        readLog()
    }

    override fun onResume() {
        super.onResume()
        Log.d(TAG, "OnResume called")
        readLog()
    }

    override fun onDestroy() {
        Log.d(TAG, ".onDestroy called")
        super.onDestroy()
        // Note: readLog() might not show onDestroy in the UI as the activity
        is finishing
    }

    override fun onPause() {
        Log.d(TAG, "OnPause called")
        super.onPause()
        readLog()
    }

    override fun onStart() {
        super.onStart()
        Log.d(TAG, "OnStart called")
        readLog()
    }

    override fun onStop() {
```

```
        Log.d(TAG, "onStop called")
        super.onStop()
        // UI might not be visible to update, but logging it anyway
    }

    override fun onRestart() {
        super.onRestart()
        Log.d(TAG, "onRestart called")
        readLog()
    }

    @SuppressLint("SetTextI18n")
    private fun readLog() {
        val logs = StringBuilder()
        try {
            val process = Runtime.getRuntime().exec("logcat -d -s $TAG")
            val inputStream =
                BufferedReader(InputStreamReader(process.getInputStream()))
            var line: String? = inputStream.readLine()
            while (line != null) {
                if (TAG in line) {
                    logs.append(line).append("\n")
                }
                line = inputStream.readLine()
            }
        } catch (e: IOException) {
            Log.e(TAG2, "ERROR: $e")
        }
        val logfield: TextView = findViewById(R.id.logview)
        logfield.text = logs.toString()
    }
}
```

### Activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/footer"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Designed by Daniel Paul. Reg no - 2547159"
        android:textSize="14sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        android:layout_marginBottom="16dp" />

    <androidx.cardview.widget.CardView
        android:id="@+id/cardView"
        android:layout_width="0dp"
        android:layout_height="0dp"
        android:layout_margin="16dp"
        app:cardCornerRadius="18dp"
        app:cardElevation="8dp"
        app:layout_constraintBottom_toTopOf="@+id/footer"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/titleLogs">

        <ScrollView
            android:id="@+id/scrollView"
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:fillViewport="true">

            <TextView
                android:id="@+id/logview"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:padding="16dp"
                android:text="Logs will appear here..."
                android:textColor="#42496D"
                android:textSize="16sp" />
        </ScrollView>
```

```
</androidx.cardview.widget.CardView>

<TextView
    android:id="@+id/titleLogs"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="32dp"
    android:text="Activity Lifecycle Logs"
    android:textSize="24sp"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

### [SplashScreen.kt](#)

```
package com.example.splash

import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.Toast

class SplashScreen : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_splash_screen)

        findViewById<Button>(R.id.GO).setOnClickListener {
            val intent = Intent(this, MainActivity::class.java)
            startActivity(intent)
            Toast.makeText(this, "WELCOME", Toast.LENGTH_SHORT).show()
        }
    }
}
```

## Activity\_splash\_screen

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".SplashScreen">

    <ImageView
        android:id="@+id/imageView"
        android:layout_width="200dp"
        android:layout_height="200dp"
        android:layout_marginTop="80dp"
        android:contentDescription="User Photo"
        android:src="@mipmap/ic_launcher"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ProgressBar
        android:id="@+id/progressBar"
        style="?android:attr/progressBarStyle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="32dp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/imageView" />

    <TextView
        android:id="@+id/textViewName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="24dp"
        android:text="Daniel Paul"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/progressBar" />

    <TextView
        android:id="@+id/textViewRegNo"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="8dp"
```

```
        android:text="Reg no: 2547159"
        android:textSize="18sp"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/textViewName" />

    <Button
        android:id="@+id/GO"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginBottom="64dp"
        android:text="Go"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```