

# P#5 Activity Life Cycle Methods

Java:

```
package com.example.activitylifecycle;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;

import com.google.android.material.floatingactionbutton.FloatingActionButton;

public class MainActivity extends AppCompatActivity {

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

        FloatingActionButton floatingActionButton = (FloatingActionButton)
        findViewById(R.id.floatingActionButton);

        floatingActionButton.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(MainActivity.this,
                LifecycleActivity.class);
                startActivity(intent);
            }
        });
    }
}
```

XML:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.coordinatorlayout.widget.CoordinatorLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    xmlns:app="http://schemas.android.com/apk/res-auto"

    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/whiteshade1">

    <com.google.android.material.appbar.AppBarLayout
        android:id="@+id/appbar"
```

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        android:layout_height="64dp"
        android:layout_width="match_parent"
        android:background="@color/white">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:elevation="4sp"
            android:orientation="horizontal"
            android:weightSum="2">

            <LinearLayout
                android:layout_width="280dp"
                android:layout_height="wrap_content"
                android:layout_weight="1"
                android:orientation="vertical">

                <ImageView
                    android:id="@+id/cuLogo"
                    android:layout_width="187dp"
                    android:layout_height="64dp"
                    android:layout_marginRight="180dp"
                    android:layout_weight="1"
                    android:padding="4dp"
                    app:srcCompat="@drawable/androidlogo" />

            </LinearLayout>
        </LinearLayout>

<!--         <com.google.android.material.appbar.CollapsingToolbarLayout-->
<!--             android:layout_width="match_parent"-->
<!--             android:layout_height="match_parent"-->
<!--             app:toolbarId="@+id/toolbar"-->
<!--
app:layout_scrollFlags="scroll|enterAlways|enterAlwaysCollapsed"-->

<!--             app:contentScrim="?attr/colorPrimary"-->

<!--         <androidx.appcompat.widget.Toolbar-->
<!--             android:id="@+id/toolbar"-->
<!--             android:layout_height="?attr/actionBarSize"-->
<!--
android:layout_width="match_parent"></androidx.appcompat.widget.Toolbar-->
<!--         </com.google.android.material.appbar.CollapsingToolbarLayout-->
        </com.google.android.material.appbar.AppBarLayout>

        <androidx.core.widget.NestedScrollView
            android:layout_width="match_parent"
            android:layout_height="match_parent"

app:layout_behavior="com.google.android.material.appbar.AppBarLayout$Scrollin
gViewBehavior">

        <RelativeLayout

```

```

        android:layout_width="match_parent"
        android:layout_height="match_parent"
        tools:context=".MainActivity">

        <LinearLayout
            android:layout_width="match_parent"
            android:layout_height="match_parent"
            android:gravity="center"
            android:layout_margin="12dp"
            android:orientation="vertical">

            <androidx.cardview.widget.CardView
                android:layout_width="wrap_content"
                android:layout_height="wrap_content"
                android:layout_margin="12dp"
                app:cardCornerRadius="30dp"
                app:cardElevation="4dp"
                android:background="@drawable/custom_edittext">

                <TextView
                    android:id="@+id/lifeCycleTV1"
                    android:layout_width="match_parent"
                    android:layout_height="wrap_content"
                    android:text="This App is developed by \n\nSAMSON ANDREW
FERNANDEZ\n\nto show the Activity Life Cycle of this App\n\n So to check the
Life Cycle\n\n click on the Button Below\n\nThe FLOATING ACTION BUTTON"
                    android:textSize="16sp"
                    android:textStyle="bold"
                    android:textAlignment="center"
                    android:layout_margin="8dp"/>

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

    </RelativeLayout>

</androidx.core.widget.NestedScrollView>

<com.google.android.material.floatingactionbutton.FloatingActionButton
    android:id="@+id/floatingActionButton"
    android:layout_height="wrap_content"
    android:layout_width="wrap_content"
    android:src="@drawable/baseline_recycling_24"
    android:layout_gravity="bottom|end"
    android:layout_margin="16dp" />

</androidx.coordinatorlayout.widget.CoordinatorLayout>

```

Screenshot:



**This App is developed by**

**SAMSON ANDREW FERNANDEZ**

**to show the Activity Life Cycle of this App**

**So to check the Life Cycle**

**•  
click on the Button Below**

**The FLOATING ACTION BUTTON**

