

# P#3 Activity Life Cycle Methods

2347215

ARUNOTH SYMEN A

**Program:**

**Kotlin Code:**

```
package com.example.mad31

import android.graphics.Color
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.util.Log // Import Log
import android.widget.Button
import android.widget.Toast
import com.google.android.material.snackbar.Snackbar

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

        Log.i("LogName", "On Create Activity started") // Use Log
        Toast.makeText(this, "On Create Activity started",
            Toast.LENGTH_LONG).show()
    }

    override fun onStart() {
        super.onStart()

        Log.i("LogName", "On Start Activity started") // Use Log
        Toast.makeText(this, "On Start Activity started",
            Toast.LENGTH_LONG).show()
    }

    override fun onResume() {
        super.onResume()

        Log.i("LogName", "On Resume Activity started") // Use Log
        Toast.makeText(this, "On Resume Activity started",
            Toast.LENGTH_LONG).show()
    }

    override fun onPause() {
        super.onPause()
    }
}
```

```

        Log.i("LogName", "On Pause Activity started") // Use Log
        Toast.makeText(this, "On Pause Activity started",
Toast.LENGTH_LONG).show()
    }

    override fun onStop() {
        super.onStop()

        Log.i("LogName", "On Stop Activity started") // Use Log
        Toast.makeText(this, "On Stop Activity started",
Toast.LENGTH_LONG).show()
    }

    override fun onDestroy() {
        super.onDestroy()

        Log.i("LogName", "On Destroy Activity started") // Use Log
        Toast.makeText(this, "On Destroy Activity started",
Toast.LENGTH_LONG).show()
    }
}

```

## XML Code Splash Screen Code:

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    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=".MainActivity2">

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:scaleType="centerCrop"
        android:src="@drawable/bg" />

    <pl.droidsonroids.gif.GifImageView
        android:id="@+id/gifImageView"
        android:layout_width="287dp"
        android:layout_height="121dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"

```

```

        android:layout_alignParentEnd="true"
        android:layout_alignParentBottom="true"
        android:layout_marginStart="61dp"
        android:layout_marginTop="547dp"
        android:layout_marginEnd="62dp"
        android:layout_marginBottom="62dp"
        android:adjustViewBounds="false"
        android:src="@drawable/loading" />

</RelativeLayout>

```

## XML Code Home Screen Code:

```

<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    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">

    <ImageView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:scaleType="centerCrop"
        android:src="@drawable/appbg" />

    <TextView
        android:id="@+id/hello_world_textview"
        android:layout_width="374dp"
        android:layout_height="54dp"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_centerVertical="true"
        android:layout_marginStart="24dp"
        android:layout_marginTop="313dp"
        android:layout_marginEnd="13dp"
        android:text="ARUNOTH SYMEN A"
        android:textAlignment="center"
        android:textColor="@color/white"
        android:textSize="24sp"
        android:textStyle="bold" />

    <TextView
        android:id="@+id/hello_world_textview1"

```

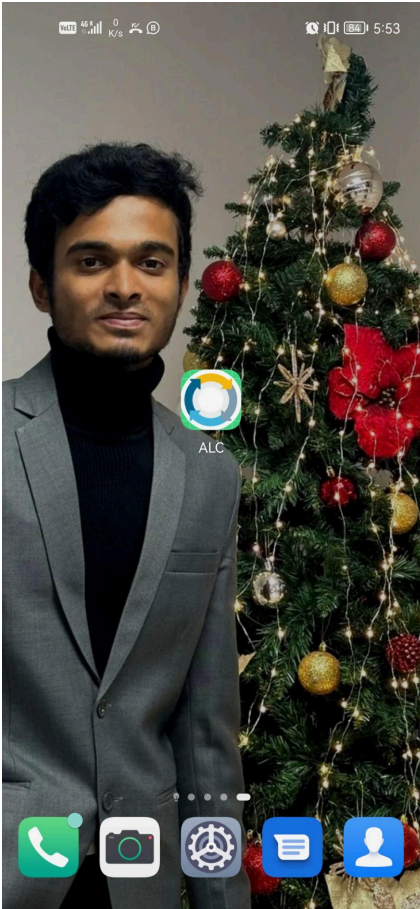
```
    android:layout_width="374dp"
    android:layout_height="54dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_centerVertical="true"
    android:layout_marginStart="24dp"
    android:layout_marginTop="342dp"
    android:layout_marginEnd="13dp"
    android:text="3MCA B"
    android:textAlignment="center"
    android:textColor="@color/white"
    android:textSize="24sp"
    android:textStyle="bold" />
```

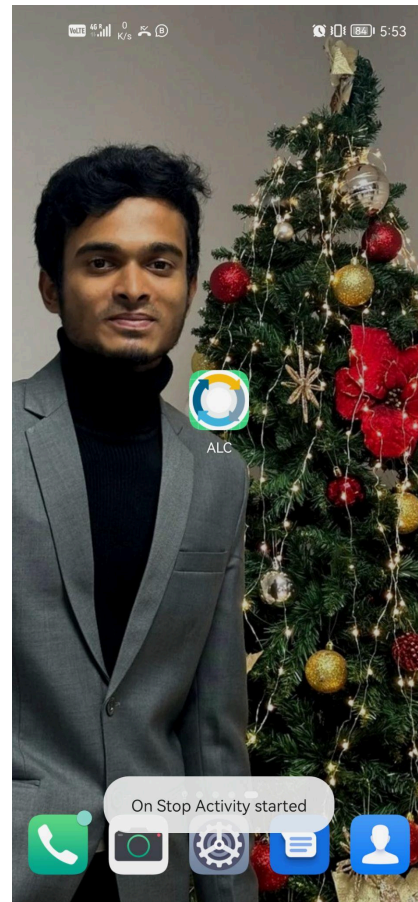
<TextView

```
    android:id="@+id/textview1"
    android:layout_width="191dp"
    android:layout_height="57dp"
    android:layout_alignParentStart="true"
    android:layout_alignParentTop="true"
    android:layout_alignParentEnd="true"
    android:layout_centerVertical="true"
    android:layout_marginStart="112dp"
    android:layout_marginTop="414dp"
    android:layout_marginEnd="107dp"
    android:text="2347215"
    android:textAlignment="center"
    android:textColor="@color/white"
    android:textSize="24sp"
    android:textStyle="bold" />
```

</RelativeLayout>

Output Screen:







Android Studio interface showing the Logcat window. The Logcat filter is set to "package:mine". The log entries show the application's startup sequence, including the creation of the class loader, initialization of the state, and the loading of the application's resources. The log entries are as follows:

```
2024-02-21 19:03:01.726 26188-26188 ApplicationLoaders com.example.mad31 D createClassLoader zip: /data/app/com.example.mad31-cqAPn_KiXlWScppBv3THZw==/
2024-02-21 19:03:01.722 26188-26236 ActivityThread com.example.mad31 I Init compatible state: true
2024-02-21 19:03:01.722 26188-26236 HwFrameworkSecurityPartsFactory com.example.mad31 I HwFrameworkSecurityPartsFactory in.
2024-02-21 19:03:01.722 26188-26236 HwFrameworkSecurityPartsFactory com.example.mad31 I add HwFrameworkSecurityPartsFactory to memory.
2024-02-21 19:03:01.723 26188-26236 BehaviorCollectManager com.example.mad31 E Fail to acquire dataAnalyzerService...
2024-02-21 19:03:01.726 26188-26188 ApplicationLoaders com.example.mad31 D createClassLoader zip: /data/app/com.example.mad31-cqAPn_KiXlWScppBv3THZw==/
2024-02-21 19:03:01.742 26188-26252 HwPartIawareFactory com.example.mad31 I add android.common.HwPartIawareFactoryImpl to memory.
2024-02-21 19:03:01.951 26188-26236 HwApiCacheMangerEx com.example.mad31 I apicache path=/storage/emulated/0 state=mounted key=com.example.mad31#10177H
2024-02-21 19:03:01.952 26188-26236 HwApiCacheMangerEx com.example.mad31 I need clear apicache,because volumes changed,oldCnt=0 newCnt=1
2024-02-21 19:03:01.952 26188-26236 HwApiCacheMangerEx com.example.mad31 I apicache path=/storage/emulated/0 state=mounted key=com.example.mad31#10177H
2024-02-21 19:03:01.954 26188-26236 HwApiCacheMangerEx com.example.mad31 I need clear apicache,because volumes changed,oldCnt=1 newCnt=1
2024-02-21 19:03:01.956 26188-26236 HwTypeFace com.example.mad31 I updateFont: scale=0.95
2024-02-21 19:03:01.956 26188-26188 SystemFonts com.example.mad31 D areFontsVariable: script=Latin
2024-02-21 19:03:01.957 26188-26188 ActivityThread com.example.mad31 I finishPreloaded preloadStatus 0
2024-02-21 19:03:01.957 26188-26188 RmeSchedManager com.example.mad31 I init Rme, version is: v1.0
2024-02-21 19:03:01.957 26188-26188 RtgSchedEvent com.example.mad31 I init Rme, version is: v1.0
2024-02-21 19:03:01.957 26188-26188 RtgSchedEvent com.example.mad31 I current pid:26188 AppType:-1
2024-02-21 19:03:01.957 26188-26188 RtgSchedEvent com.example.mad31 I init processName:com.example.mad31 pid:26188 uid:10177
2024-02-21 19:03:01.957 26188-26188 RtgSchedEvent com.example.mad31 I RenderThread: progress name = [com.example.mad31], viewCornerType = 0
2024-02-21 19:03:01.970 26188-26334 IGraphics com.example.mad31 I [0020080c] pn: com.example.mad31, p: 26188
2024-02-21 19:03:01.970 26188-26334 IGraphics com.example.mad31 I [0030080c] no spt app: com.example.mad31
2024-02-21 19:03:02.000 26188-26188 AppCompatDelegate com.example.mad31 D Checking for metadata for AppLocalesMetadataHolderService : Service not found
2024-02-21 19:03:02.011 26188-26188 ActivityThread com.example.mad31 V callActivityOnCreate
2024-02-21 19:03:02.037 26188-26188 DecorView[] com.example.mad31 I pkgName:com.example.mad31 old windowMode:0 new windowMode:1, isFixedSize:false
2024-02-21 19:03:02.053 26188-26188 m.example.mad3 com.example.mad31 W Accessing hidden method Landroid/view/View;.>computeFitSystemWindows(Landroi
2024-02-21 19:03:02.053 26188-26188 m.example.mad3 com.example.mad31 W Accessing hidden method Landroid/view/ViewGroup;.>makeOptionalFitsSystemWind
```

Android Studio interface showing the Logcat window. The Logcat filter is set to "package:mine". The log entries show the application's startup sequence, including the creation of the class loader, initialization of the state, and the loading of the application's resources. The log entries are as follows:

```
2024-02-21 19:03:02.053 26188-26188 m.example.mad3 com.example.mad31 W Accessing hidden method Landroid/view/ViewGroup;.>makeOptionalFitsSystemWind
2024-02-21 19:03:02.198 26188-26188 AwareAppScheduleManager com.example.mad31 I post cache drawable res id to aware, resId = 2131165507, packageName = com.e
2024-02-21 19:03:02.206 26188-26188 m.example.mad3 com.example.mad31 W Accessing hidden field Ljava/io/FileDescriptor;.>descriptor:I (greylist, JNI
2024-02-21 19:03:02.220 26188-26188 ActivityThread com.example.mad31 D add activity client record, r= ActivityRecord{e457ac8 token=android.os.Binder
2024-02-21 19:03:02.227 26188-26188 HwPartMagi...dowFactory com.example.mad31 I add android.common.HwPartMagicWindowFactoryImpl to memory.
2024-02-21 19:03:02.241 26188-26188 MouseWheelSynthesizer com.example.mad31 D mMoveStepInDp: 64, mMoveStepInPixel: 192, mUpTimeDelayed: 100
2024-02-21 19:03:02.242 26188-26188 ViewRootImpl com.example.mad31 D ViewRootImpl mIsInProductivePCDisplay: false
2024-02-21 19:03:02.243 26188-26188 HwPartPower...iceFactory com.example.mad31 I add HwPartPowerOfficeFactoryImpl to memory.
2024-02-21 19:03:02.252 26188-26188 InputEventReceiver com.example.mad31 D dispatchInputInterval 1000000
2024-02-21 19:03:02.254 26188-26188 RmeSchedManager com.example.mad31 I init Rme, version is: v1.0
2024-02-21 19:03:02.254 26188-26188 RtgSchedEvent com.example.mad31 I current pid:26188 AppType:-1
2024-02-21 19:03:02.259 2519-2867 DollieAdapterService com.huawei.systemserver E notifyActivityState pkg:com.example.mad31/com.example.mad31.MainActivity2 st
2024-02-21 19:03:02.282 26188-26331 mali_winsys com.example.mad31 D EGLint new_window_surface(egl_winsys.display *, void *, EGLSurface, EGLConfig
2024-02-21 19:03:02.286 26188-26361 HiTouch_Pr...reDetector com.example.mad31 D onAttached, package=com.example.mad31, windowType=1, mIsHiTouchRestricted=fa
2024-02-21 19:03:02.295 26188-26331 Gralloc3 com.example.mad31 W mapper 3.x is not supported
2024-02-21 19:03:02.381 26188-26188 HwViewRootImpl com.example.mad31 I removeInvalidNode junk list is null
2024-02-21 19:03:02.383 26188-26188 DecorView com.example.mad31 D showOrHideHighLightView: hasFocus=true; winMode=1; isRmgNull=true
2024-02-21 19:03:02.383 26188-26188 InputMethodManager com.example.mad31 I startInputReason = 1
2024-02-21 19:03:02.384 26188-26188 HwRemoteIn...hodManager com.example.mad31 W isCasting false because IHWdDistributedWindowManager is invalid.
2024-02-21 19:03:02.391 26188-26188 InputMethodManager com.example.mad31 I startInputReason = 5
2024-02-21 19:03:02.495 1651-1858 WindowManager system_server E win=Window{1f228bc u0 Splash Screen com.example.mad31 EXITING} destroySurfac
2024-02-21 19:03:02.738 26188-26434 StubController com.example.mad31 I system app validUid:10177, isFriend:true
2024-02-21 19:03:05.238 26188-26188 RtgSchedManager com.example.mad31 E endActivityTransaction: margin state not match
2024-02-21 19:03:05.249 26188-26188 RtgSchedManager com.example.mad31 E endActivityTransaction: margin state not match
2024-02-21 19:03:05.249 26188-26188 ActivityThread com.example.mad31 W handleWindowVisibility: no activity for token android.os.BinderProxy@add9ed1
2024-02-21 19:03:05.249 26188-26188 RtgSchedManager com.example.mad31 E endActivityTransaction: margin state not match
```

