

Experiment No. 3

Aim: Create application for demonstration of android activity life cycle.

Program:

- **Activity.xml:-**

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
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"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/txt"
        android:text="Manish Jadhav"
        android:layout_marginTop="250dp"
        android:layout_marginLeft="150dp"
        />

    <Button
        android:layout_height="wrap_content"
        android:layout_width="wrap_content"
        android:id="@+id/btn"
        android:text="Submit"
        android:layout_marginLeft="150dp"
        />

</LinearLayout>
```

- **MainActivity.java:-**

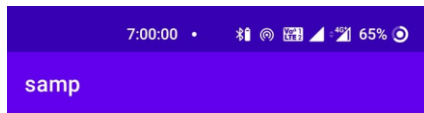
```
package com.example.samp;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Log.d("message", "onCreate() is called");
    }
    protected void onStart() {
        super.onStart();
        Log.d("message", "onStart() is called");
    }
    protected void onResume() {
        super.onResume();
        Log.d("message", "onResume() is called");
    }
    protected void onPause() {
        super.onPause();
        Log.d("message", "onPause() is called");
    }
    protected void onStop() {
        super.onStop();
        Log.d("message", "onStop() is called");
    }
    protected void onRestart() {
        super.onRestart();
        Log.d("message", "onRestart() is called");
    }
    protected void onDestroy() {
        super.onDestroy();
        Log.d("message", "onDestroy() is called");
    }
}
```

Output:



Manish Jadhav

SUBMIT



```
2023-02-24 19:06:23.105 32630-32630 message com.example.samp
2023-02-24 19:06:23.125 32630-32630 message com.example.samp
2023-02-24 19:06:23.127 32630-32630 message com.example.samp
2023-02-24 19:06:23.137 32630-32630 OPFD_Manager com.example.samp
2023-02-24 19:06:23.137 32630-32630 ViewRootImpl com.example.samp
2023-02-24 19:06:23.140 32630-32630 ViewRootImpl com.example.samp
2023-02-24 19:06:23.164 32630-28547 AdrenoGLES-0 com.example.samp

2023-02-24 19:06:23.165 32630-28547 AdrenoGLES-0 com.example.samp
2023-02-24 19:06:23.165 32630-28547 AdrenoGLES-0 com.example.samp
2023-02-24 19:06:23.168 32630-28547 AdrenoGLES-0 com.example.samp
2023-02-24 19:06:23.216 32630-32630 DecorView com.example.samp
2023-02-24 19:06:23.218 32630-32630 ViewRootImpl...nActivity] com.example.samp
2023-02-24 19:06:24.566 32630-28535 System com.example.samp
2023-02-24 19:06:24.566 32630-28535 System com.example.samp
2023-02-24 19:06:32.591 1264-28588 ANDR-RAMBOOST_SERVER install com.example.samp
2023-02-24 19:06:38.335 32630-32630 message com.example.samp
2023-02-24 19:06:38.344 32630-32630 ViewRootImpl...nActivity] com.example.samp

2023-02-24 19:06:38.894 32630-32630 message com.example.samp
2023-02-24 19:06:40.876 1407-2439 ScreenModeService system_server
2023-02-24 19:06:40.876 1407-2439 ScreenModeService system_server
2023-02-24 19:06:40.897 1407-2439 ScreenModeService system_server
2023-02-24 19:06:40.897 1407-2439 ScreenModeService system_server
2023-02-24 19:06:40.906 1407-1749 ActivityTaskManager system_server
2023-02-24 19:06:40.908 32630-32630 message com.example.samp
2023-02-24 19:06:40.918 32630-32630 message com.example.samp
2023-02-24 19:06:40.933 32630-32630 message com.example.samp
2023-02-24 19:06:40.976 32630-32630 ActivityThread com.example.samp
2023-02-24 19:06:40.977 32630-32630 DecorView com.example.samp
2023-02-24 19:06:40.980 32630-32630 ViewRootImpl...nActivity] com.example.samp
2023-02-24 19:06:42.299 32630-32630 message com.example.samp
2023-02-24 19:06:42.310 32630-32630 ViewRootImpl...nActivity] com.example.samp
2023-02-24 19:06:42.368 1407-1749 ActivityTaskManager system_server
2023-02-24 19:06:42.664 32630-32630 message com.example.samp
2023-02-24 19:06:43.402 32630-32630 message com.example.samp
```

```
D onCreate() is called
D onStart() is called
D onResume() is called
I Dark? false, OP Force ? false
V The specified message queue synchronization barrier token has not been posted or
D not support adaptive color gamut feature!
I QUALCOMM build : e5dfe77, I46bb81ccf7
Build Date : 08/16/20
OpenGL ES Shader Compiler Version: EV031.32.02.00
Local Branch :
Remote Branch :
Remote Branch :
Reconstruct Branch :
I Build Config : S P 10.0.5 AArch64
I Driver Path : /vendor/lib64/egl/libGLESv2_adreno.so
I PFP: 0x016dd091, ME: 0x00000000
D onWindowFocusChangedFromViewRoot hasFocus: true, DecorView@d3b0db7[MainActivity]
D windowFocusChanged hasFocus=true inTouchMode=true
W A resource failed to call close.
W A resource failed to call close.
E ramboost cmd_len = 27 cmd: iop_record com.example.samp
D onPause() is called
D onWindowFocusChanged hasFocus=false inTouchMode=true

D onStop() is called
E getAppToken ActivityRecord{8e31725 u0 com.example.samp/.MainActivity t4542}
E setRefreshRate token ActivityRecord{8e31725 u0 com.example.samp/.MainActivity t45}
E getAppToken ActivityRecord{8e31725 u0 com.example.samp/.MainActivity t4542}
E setRefreshRate token ActivityRecord{8e31725 u0 com.example.samp/.MainActivity t45}
E createRemoteAnimationTarget Task{29ceb7f #4542 visible=false type=standard mode=fi
D onRestart() is called
D onStart() is called
D onResume() is called
D pid:32630 tid:32630 doFrame Callback
D onWindowFocusChangedFromViewRoot hasFocus: true, DecorView@d3b0db7[MainActivity]
D _windowFocusChanged hasFocus=true inTouchMode=true
D onPause() is called
D windowFocusChanged hasFocus=false inTouchMode=true
E createRemoteAnimationTarget Task{29ceb7f #4542 visible=false type=standard mode=fi
D onStop() is called
D onDestroy() is called
```

Conclusion:

Hence, by completing this experiment I came to know that how to Create application for demonstration of android activity life cycle.

Writeup & Oral (4)	Practical Performance (4)	Attendance (2)	Total (10)