

```
1 package com.example.app_life_cycle;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.content.Intent;
6 import android.os.Bundle;
7 import android.util.Log;
8 import android.view.View;
9 import android.widget.Toast;
10
11 public class MainActivity extends AppCompatActivity {
12
13     @Override
14     protected void onCreate(Bundle savedInstanceState) {
15         super.onCreate(savedInstanceState);
16         setContentView(R.layout.activity_main);
17         Log.d("Activity_Lifecycle", "
Welcome_onCreate_Invoked");
18         Toast.makeText(MainActivity.this, "Welcome_Activity
Created", Toast.LENGTH_SHORT).show();
19     }
20
21     public void start_button(View v)
22     {
23         Intent i1 = new Intent(getBaseContext(),
MainActivity2.class);
24         startActivity(i1);
25         finish();
26     }
27
28     @Override
29     protected void onStart()
30     {
31         super.onStart();
32         Log.d("Activity_Lifecycle", "Welcome_onStart_Invoked
");
33         Toast.makeText(MainActivity.this, "Welcome_Activity
Started", Toast.LENGTH_SHORT).show();
34     }
35
36     @Override
37     protected void onResume()
38     {
39         super.onResume();
40         Log.d("Activity_Lifecycle", "
Welcome_onResume_Invoked");
```

```
41         Toast.makeText(MainActivity.this, "Welcome_Activity
    Resumed",Toast.LENGTH_SHORT).show();
42     }
43
44     @Override
45     protected void onPause()
46     {
47         super.onPause();
48         Log.d("Activity_Lifecycle","Welcome_onPause_Invoked
    ");
49         Toast.makeText(MainActivity.this, "Welcome_Activity
    Paused",Toast.LENGTH_SHORT).show();
50     }
51
52     @Override
53     protected void onStop()
54     {
55         super.onStop();
56         Log.d("Activity_Lifecycle","Welcome_onStop_Invoked"
    );
57         Toast.makeText(MainActivity.this, "Welcome_Activity
    Stopped",Toast.LENGTH_SHORT).show();
58     }
59
60     @Override
61     protected void onRestart()
62     {
63         super.onRestart();
64         Log.d("Activity_Lifecycle","
    Welcome_onRestart_Invoked");
65         Toast.makeText(MainActivity.this, "Welcome_Activity
    Restarted",Toast.LENGTH_SHORT).show();
66     }
67
68     @Override
69     protected void onDestroy()
70     {
71         super.onDestroy();
72         Log.d("Activity_Lifecycle","
    Welcome_onDestroy_Invoked");
73         Toast.makeText(MainActivity.this, "Welcome_Activity
    Destroyed",Toast.LENGTH_SHORT).show();
74     }
75 }
```