

Practical 17

1. Write a Program to create an activity using all Life cycle methods to display messages using log.d.

Java Code :

```
package com.example.exp17;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Log.d("Life Cycle", "onCreate");
    }
    @Override
    protected void onStart(){
        super.onStart();
        Log.d("Activity Life Cycle", "onStart Invoked");
    }
    @Override
    protected void onResume(){
        super.onResume();
        Log.d("Activity Life Cycle", "onResume Invoked");
    }
    @Override
    protected void onPause(){
        super.onPause();
        Log.d("Activity Life Cycle", "onPause Invoked");
    }
    @Override
    protected void onRestart(){
        super.onRestart();
        Log.d("Activity Life Cycle", "onRestart Invoked");
    }
    @Override
    protected void onStop(){
        super.onStop();
        Log.d("Activity Life Cycle", "onStop Invoked");
    }
    @Override
    protected void onDestroy(){
        super.onDestroy();
        Log.d("Activity Life Cycle", "onDestroy Invoked");
    }
}}
```

Output:

```
2022-04-17 17:03:30.986 25923-25923/com.example.exp17 D/Activity Life Cycle: onStart Invoked
2022-04-17 17:03:30.993 25923-25923/com.example.exp17 D/Activity Life Cycle: onResume Invoked
2022-04-17 17:03:57.984 25923-25923/com.example.exp17 D/Activity Life Cycle: onPause Invoked
2022-04-17 17:03:58.056 25923-25923/com.example.exp17 D/Activity Life Cycle: onStop Invoked
2022-04-17 17:04:02.021 25923-25923/com.example.exp17 D/Activity Life Cycle: onRestart Invoked
2022-04-17 17:04:02.038 25923-25923/com.example.exp17 D/Activity Life Cycle: onStart Invoked
2022-04-17 17:04:02.040 25923-25923/com.example.exp17 D/Activity Life Cycle: onResume Invoked
2022-04-17 17:04:35.482 25923-25923/com.example.exp17 D/Activity Life Cycle: onPause Invoked
2022-04-17 17:04:35.541 25923-25923/com.example.exp17 D/Activity Life Cycle: onStop Invoked
2022-04-17 17:04:38.337 25923-25923/com.example.exp17 D/Activity Life Cycle: onDestroy Invoked
```