

PRACTICAL NO: 2

Aim: Create an android app that demonstrates Activity Lifecycle.

Code:

Activity_main:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    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"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.java:

```

package com.example.Practical2;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toast.makeText(getApplicationContext(), "onCreate Called",
Toast.LENGTH_LONG).show();
    }

    protected void onStart() {
        super.onStart();
        Toast.makeText(getApplicationContext(), "onStart Called",
Toast.LENGTH_LONG).show();
    }

    @Override
    protected void onRestart() {
        super.onRestart();
        Toast.makeText(getApplicationContext(), "onRestart Called",
Toast.LENGTH_LONG).show();
    }

    protected void onPause() {
        super.onPause();
        Toast.makeText(getApplicationContext(), "onPause Called",
Toast.LENGTH_LONG).show();
    }

    protected void onResume() {
        super.onResume();
        Toast.makeText(getApplicationContext(), "onResume Called",
Toast.LENGTH_LONG).show();
    }

    protected void onStop() {
        super.onStop();
        Toast.makeText(getApplicationContext(), "onStop Called",
Toast.LENGTH_LONG).show();
    }

    protected void onDestroy() {
        super.onDestroy();
        Toast.makeText(getApplicationContext(), "onDestroy Called",
Toast.LENGTH_LONG).show();
    }
}

```

Output:









