

PROGRAM 2:

Write a program that demonstrates Activity Lifecycle.

CODE:

MainActivity.java

```
package com.example.activityapplication;

import android.os.Bundle;

import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
        Toast toast1 = Toast.makeText(getApplicationContext(), "onCreate Called",
        Toast.LENGTH_LONG);
        toast1.show();
    }
    protected void onStart() {
        super.onStart();
        Toast toast1 = Toast.makeText(getApplicationContext(), "onStart Called",
        Toast.LENGTH_LONG);
        toast1.show();
    }
    @Override
    protected void onRestart() {
        super.onRestart();
        Toast toast1 = Toast.makeText(getApplicationContext(), "onRestart Called",
        Toast.LENGTH_LONG);
        toast1.show();
    }
    protected void onPause() {
        super.onPause();
        Toast toast1 = Toast.makeText(getApplicationContext(), "onPause Called",
        Toast.LENGTH_LONG);
```

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        toast1.show();
    }

    protected void onResume() {
        super.onResume();
        Toast toast1 = Toast.makeText(getApplicationContext(), "onResume Called",
Toast.LENGTH_LONG);
        toast1.show();
    }

    protected void onStop() {
        super.onStop();
        Toast toast1 = Toast.makeText(getApplicationContext(), "onStop Called",
Toast.LENGTH_LONG);
        toast1.show();
    }

    protected void onDestroy() {
        super.onDestroy();
        Toast toast1 = Toast.makeText(getApplicationContext(), "onDestroy Called",
Toast.LENGTH_LONG);
        toast1.show();
    }
}
```