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public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Toast.makeText(this, "OnCreate", Toast.LENGTH_SHORT).show();

        TextView tvf=findViewById(R.id.tvf);
        tvf.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent in=new Intent(MainActivity.this,MainActivity2.class);
                startActivity(in);
            }
        });
    }

    @Override
    protected void onStart() {

        super.onStart();
        Toast.makeText(this, "OnStart", Toast.LENGTH_SHORT).show();
    }

    @Override
    public void onResume() {

        super.onResume();
        Toast.makeText(this, "OnResume", Toast.LENGTH_SHORT).show();
    }

    @Override
    public void onPause() {

        super.onPause();
        Toast.makeText(this, "OnPause", Toast.LENGTH_SHORT).show();
    }

    @Override
    public void onStop() {

        super.onStop();
        Toast.makeText(this, "OnStop", Toast.LENGTH_SHORT).show();
    }

    @Override
    public void onRestart() {

        super.onRestart();
        Toast.makeText(this, "OnRestart", Toast.LENGTH_SHORT).show();
    }

    @Override
    public void onDestroy() {

        super.onDestroy();
        Toast.makeText(this, "OnDestory", Toast.LENGTH_SHORT).show();
    }
}

```

1)MainActivity.java

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}

package com.example.activitiylifecycle;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.Gravity;
import android.view.View;
import android.widget.TextView;
import android.widget.Toast;

public class MainActivity2 extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        Toast toast=Toast.makeText(this,"SecondOnCreate",Toast.LENGTH_LONG);
        toast.setGravity(Gravity.CENTER | Gravity.LEFT,0,0);
        toast.show();

        TextView tvs=findViewById(R.id.tvs);
        tvs.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Intent in= new Intent(MainActivity2.this,MainActivity.class);
                startActivity(in);
            }
        });
    }

    @Override
    protected void onStart() {

        super.onStart();
        Toast toast=Toast.makeText(this,"SecondOnStart",Toast.LENGTH_LONG);
        toast.setGravity(Gravity.CENTER | Gravity.LEFT,0,0);
        toast.show();
    }

    @Override
    public void onResume() {

        super.onResume();
        Toast toast=Toast.makeText(this,"SecondOnResume",Toast.LENGTH_LONG);
        toast.setGravity(Gravity.CENTER | Gravity.LEFT,0,0);
        toast.show();
    }

    @Override
    public void onPause() {

        super.onPause();
    }
}
```

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        Toast toast=Toast.makeText(this,"SecondOnPause",Toast.LENGTH_LONG);
        toast.setGravity(Gravity.CENTER | Gravity.LEFT,0,0);
        toast.show();
    }
    @Override
    public void onStop() {

        super.onStop();
        Toast toast=Toast.makeText(this,"SecondOnStop",Toast.LENGTH_LONG);
        toast.setGravity(Gravity.CENTER | Gravity.LEFT,0,0);
        toast.show();
    }
    @Override
    public void onRestart() {

        super.onRestart();
        Toast toast=Toast.makeText(this,"SecondOnRestart",Toast.LENGTH_LONG);
        toast.setGravity(Gravity.CENTER | Gravity.LEFT,0,0);
        toast.show();
    }
    @Override
    public void onDestroy() {

        super.onDestroy();
        Toast toast=Toast.makeText(this,"SecondOnDestroy",Toast.LENGTH_LONG);
        toast.setGravity(Gravity.CENTER | Gravity.LEFT,0,0);
        toast.show();
    }
}

```

2)MainActivity2.java