



**Ganpat
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MainActivity.XML File:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    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="FirstActivity"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Button"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.566"
        tools:ignore="MissingConstraints" />

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

MainActivity2.XML File:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity2">

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Second activity"
        android:textSize="24sp"
        tools:ignore="MissingConstraints"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
    />
</androidx.constraintlayout.widget.ConstraintLayout>
```

MainActivity.KT :

```
package com.example.pr_3
```

```
import android.content.Intent
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.util.Log
import android.widget.Button
import android.widget.Toast
import android.widget.Toast.makeText
```

```
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
        val btn1: Button = this.findViewById(R.id.button)
        btn1.setOnClickListener{
            val intent = Intent(this,MainActivity2::class.java)
            startActivity(intent)
        }
        Toast.makeText(this,"OnCreate",Toast.LENGTH_LONG).show()
        Log.d("FirstActivity","OnCreate")
    }

    override fun onStart() {
        super.onStart()
        Toast.makeText(this,"OnStart",Toast.LENGTH_LONG).show()
    }
}
```



```

    Log.d("FirstActivity", "OnStart")
}

override fun onResume() {
    super.onResume()
    Toast.makeText(this, "OnResume", Toast.LENGTH_LONG).show()
    Log.d("FirstActivity", "OnResume")
}

override fun onRestart() {
    super.onRestart()
    Toast.makeText(this, "OnCreate", Toast.LENGTH_LONG).show()
    Log.d("FirstActivity", "OnCreate")
}

override fun onPause() {
    super.onPause()
    Toast.makeText(this, "OnPause", Toast.LENGTH_LONG).show()
    Log.d("FirstActivity", "OnPause")
}

override fun onStop() {
    super.onStop()
    Toast.makeText(this, "OnStop", Toast.LENGTH_LONG).show()
    Log.d("FirstActivity", "OnStop")
}

override fun onDestroy() {
    super.onDestroy()
    Toast.makeText(this, "OnDestroy", Toast.LENGTH_LONG).show()
    Log.d("FirstActivity", "OnDestroy")
}
}

```

MainActivity2.KT :

```
package com.example.pr_3
```

```
import android.os.Bundle
```

```
import androidx.appcompat.app.AppCompatActivity

class MainActivity2 : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main2)
    }
}
```



FirstActivity

BUTTON

OnResume



Second activity

OnStop

