

Java

```
package com.example.lab2;
```

```
import android.content.pm.ActivityInfo;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;
```

```
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
        Button l,p; l=findViewById(R.id.landscape);
        p=findViewById(R.id.portrait);
        l.setOnClickListener(new View.OnClickListener() { @Override
            public void onClick(View v) {

                setRequestedOrientation(ActivityInfo.SCREEN_ORIENTATION_LANDSCAPE);
                Toast.makeText(MainActivity.this, "Hey! We are in Landscape orientation",
                    Toast.LENGTH_SHORT).show();
            }
        });
        p.setOnClickListener(new View.OnClickListener() { @Override
            public void onClick(View v) {

                setRequestedOrientation(ActivityInfo.SCREEN_ORIENTATION_PORTRAIT);
                Toast.makeText(MainActivity.this, "Hey! We are in Portrait orientation",
                    Toast.LENGTH_SHORT).show();
            }
        });
    }
}
```

XML

```
<?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:id="@+id/main"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">

<Button
    android:id="@+id/portrait"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="168dp"
    android:layout_marginTop="246dp"
    android:layout_marginEnd="147dp"
    android:layout_marginBottom="112dp"
    android:text="Portrait"
    app:layout_constraintBottom_toTopOf="@+id/landscape"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />

<Button
    android:id="@+id/landscape"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="144dp"
    android:layout_marginTop="105dp"
    android:layout_marginEnd="149dp"
    android:layout_marginBottom="284dp"
    android:text="Landscape"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/portrait" />
</androidx.constraintlayout.widget.ConstraintLayout>
```