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>