**Step 1:**

**Make a new project**

**Step 2 :**

**Kotlin file:**

package com.example.cameraintent

import android.content.Intent

import android.os.Bundle

import android.provider.MediaStore

import android.widget.Button

import android.widget.Toast

import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {

private val REQUEST\_IMAGE\_CAPTURE = 1

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

// Find the button by its ID and set up the listener

val openCameraBtn: Button = findViewById(R.id.openCameraBtn)

openCameraBtn.setOnClickListener {

openCamera()

}

}

// Function to open the camera using an implicit intent

private fun openCamera() {

val takePictureIntent = Intent(MediaStore.ACTION\_IMAGE\_CAPTURE)

// Ensure that there's a camera activity to handle the intent

if (takePictureIntent.resolveActivity(packageManager) != null) {

startActivityForResult(takePictureIntent, REQUEST\_IMAGE\_CAPTURE)

} else {

// Show a toast message if no camera app is found

Toast.makeText(this, "No camera app found", Toast.LENGTH\_SHORT).show()

}

}

}

**Step 3:**

**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">  
  
 *<!-- Button to open the camera -->* <Button  
 android:id="@+id/openCameraBtn"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Open Camera"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**Step 4:**

**Make necessary changes in manifest file:**

**Add below lines to existing manifest file above application.**

*<!-- Permission to access the camera -->*<uses-permission android:name="android.permission.CAMERA" />  
  
*<!-- Specify that the camera is an optional feature -->*<uses-feature android:name="android.hardware.camera" android:required="false" />

**Step 5:**

**Run the app**