*PERMISSSION*

*XML FILE*

*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:padding="16dp">  
  
 *<!-- Title TextView -->* <TextView  
 android:id="@+id/titleTextView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Permission and App Chooser Demo"  
 android:textSize="18sp"  
 android:layout\_gravity="center\_horizontal"  
 android:padding="8dp"  
 android:textStyle="bold"/>  
  
 <Button  
 android:id="@+id/requestPermissionButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Request Permissions and Open Chooser"  
 android:layout\_gravity="center\_horizontal"  
 android:padding="8dp" />  
  
  
 <TextView  
 android:id="@+id/result"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Result will be displayed here"  
 android:textSize="16sp"  
 android:layout\_gravity="center\_horizontal"  
 android:padding="16dp" />  
  
</LinearLayout>

KT FILE  
package com.example.permission  
  
import android.Manifest  
import android.content.Intent  
import android.os.Bundle  
import android.widget.Button  
import android.widget.TextView  
import android.widget.Toast  
import androidx.activity.result.contract.ActivityResultContracts  
import androidx.appcompat.app.AppCompatActivity  
  
class MainActivity : AppCompatActivity() {  
  
 private lateinit var resultTextView: TextView  
  
 val requestPermissionsLauncher = registerForActivityResult(  
 ActivityResultContracts.RequestMultiplePermissions()  
 ) **{** permissions **->** val cameraPermissionGranted = permissions[Manifest.permission.*CAMERA*] ?: false  
 val locationPermissionGranted = permissions[Manifest.permission.*ACCESS\_FINE\_LOCATION*] ?: false  
  
 if (cameraPermissionGranted && locationPermissionGranted) {  
 resultTextView.*text* = "Permissions granted"  
 openAppChooser()  
 } else {  
 resultTextView.*text* = "Permissions denied"  
 Toast.makeText(this, "Permissions denied", Toast.*LENGTH\_SHORT*).show()  
 }  
 **}** override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_main*)  
  
 val requestPermissionButton: Button = findViewById(R.id.*requestPermissionButton*)  
 resultTextView = findViewById(R.id.*result*)  
  
 *// Set button click listener to request permissions and open chooser* requestPermissionButton.setOnClickListener **{** requestPermissions()  
 **}** }  
  
 private fun requestPermissions() {  
 requestPermissionsLauncher.launch(  
 *arrayOf*(  
 Manifest.permission.*CAMERA*,  
 Manifest.permission.*ACCESS\_FINE\_LOCATION* )  
 )  
 }  
  
 private fun openAppChooser() {  
 val sendIntent = Intent(Intent.*ACTION\_SEND*).*apply* **{** *type* = "text/plain"  
 putExtra(Intent.*EXTRA\_TEXT*, "Hello! Sharing this message.")  
 **}** val chooser = Intent.createChooser(sendIntent, "Share using")  
 startActivity(chooser)  
 }  
}