ANDROID MANIFEST

ACTIVITY MAIN

```
android:layout height="wrap content"
            android:textColor="@color/black"
   <TextView
            android:layout height="wrap content"
   <EditText
            android:layout width="match parent"
            android:layout height="wrap content"
            android:layout width="wrap content"
            android:layout_height="wrap_content"
android:text="SIM Country ISD:" />
   <EditText
   <TextView
            android:layout_width="wrap_content"
            android:layout height="wrap content"
   <EditText
            android:id="@+id/deviceSoftwareVersionEditText"
            android:enabled="false" />
            android:layout width="wrap content"
            android:layout gravity="center horizontal"
</LinearLayout>
```

MAIN ACTIVITY

```
import android.Manifest
import android.content.Context
import android.content.pm.PackageManager
import android.os.Build
import android.os.Bundle
import android.telephony.TelephonyManager
import android.widget.Button
import android.widget.EditText
import android.widget.Toast
import androidx.appcompat.app.AppCompatActivity
import androidx.core.app.ActivityCompat
```

```
class MainActivity : AppCompatActivity() {
   private lateinit var networkOperatorNameEditText: EditText
   private lateinit var phoneTypeEditText: EditText
   private lateinit var getTelephonyServiceButton: Button
       setContentView(R.layout.activity main)
       networkOperatorNameEditText =
findViewById(R.id.networkOperatorNameEditText)
       phoneTypeEditText = findViewById(R.id.phoneTypeEditText)
       simCountryISDEditText = findViewById(R.id.simCountryISDEditText)
       deviceSoftwareVersionEditText =
findViewById(R.id.deviceSoftwareVersionEditText)
       getTelephonyServiceButton = findViewById(R.id.getTelephonyServiceButton)
       getTelephonyServiceButton.setOnClickListener {
                if (checkSelfPermission(Manifest.permission.READ PHONE STATE) ==
PackageManager.PERMISSION GRANTED) {
                    getTelephonyInfo()
                    ActivityCompat.requestPermissions(
                        arrayOf(Manifest.permission.READ PHONE STATE),
       val telephonyManager = getSystemService(Context.TELEPHONY SERVICE) as
TelephonyManager
       networkOperatorNameEditText.setText(telephonyManager.networkOperatorName)
       phoneTypeEditText.setText(getPhoneType(telephonyManager.phoneType))
       networkCountryISDEditText.setText(telephonyManager.networkCountryIso)
       simCountryISDEditText.setText(telephonyManager.simCountryIso)
       if (ActivityCompat.checkSelfPermission(
               Manifest.permission.READ PHONE STATE
           ) != PackageManager.PERMISSION GRANTED
```