Android\_Manifest.xml

*<?***xml version="1.0" encoding="utf-8"***?>*

<**manifest xmlns:android="http://schemas.android.com/apk/res/android"**

**package="com.example.jevitha.a23\_1\_broadcastreceiver\_otpreader"**>

<**uses-permission android:name="android.permission.RECEIVE\_SMS"** />

<**uses-permission android:name="android.permission.READ\_SMS"** />

<**application**

**android:allowBackup="true"**

**android:icon="@mipmap/ic\_launcher"**

**android:label="@string/app\_name"**

**android:roundIcon="@mipmap/ic\_launcher\_round"**

**android:supportsRtl="true"**

**android:theme="@style/AppTheme"**>

<**activity android:name=".MainActivity"**>

<**intent-filter**>

<**action android:name="android.intent.action.MAIN"** />

<**category android:name="android.intent.category.LAUNCHER"** />

</**intent-filter**>

</**activity**>

<**receiver**

**android:name=".MyOTPReceiver"**

**android:enabled="true"**

**android:exported="true"**></**receiver**>

</**application**>

</**manifest**>

MyOTPReceiver.java

**package** com.example.jevitha.a23\_1\_broadcastreceiver\_otpreader;

**import** android.content.BroadcastReceiver;

**import** android.content.Context;

**import** android.content.Intent;

**import** android.os.Build;

**import** android.os.Bundle;

**import** android.provider.Telephony;

**import** android.telephony.SmsMessage;

**import** android.widget.Toast;

**public class** MyOTPReceiver **extends** BroadcastReceiver {

**private static** SmsListener *mListener*;

@Override

**public void** onReceive(Context context, Intent intent) {

Bundle bundle = intent.getExtras();

SmsMessage smsMessage;

**if** (Build.VERSION.***SDK\_INT*** >= 19) { *//KITKAT*

SmsMessage[] msgs = Telephony.Sms.Intents.*getMessagesFromIntent*(intent);

smsMessage = msgs[0];

} **else** {

Object pdus[] = (Object[]) bundle.get(**"pdus"**);

smsMessage = SmsMessage.*createFromPdu*((**byte**[]) pdus[0]);

}

String messageBody = smsMessage.getMessageBody();

*//Pass the message text to interface*

*mListener*.messageReceived(messageBody);

}

**public static void** bindListener(SmsListener listener) {

*mListener* = listener;

}

}

SMSListener.java

**package** com.example.jevitha.a23\_1\_broadcastreceiver\_otpreader;

**public interface** SmsListener {

**public void** messageReceived(String messageText);

}

MainActivity.java

**package** com.example.jevitha.a23\_1\_broadcastreceiver\_otpreader;

**import** android.content.IntentFilter;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**import** android.util.Log;

**import** android.widget.TextView;

**import** android.widget.Toast;

**import** java.util.regex.Matcher;

**import** java.util.regex.Pattern;

**public class** MainActivity **extends** AppCompatActivity {

**private** MyOTPReceiver **broadcastReceiver**;

**public static final** String ***OTP\_REGEX*** = **"[0-9]{1,6}"**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

MyOTPReceiver.*bindListener*(**new** SmsListener() {

@Override

**public void** messageReceived(String messageText) {

*//From the received text string you may do string operations to get the required OTP*

*//It depends on your SMS format*

Log.*e*(**"Message"**,messageText);

Toast.*makeText*(MainActivity.**this**,**"Message: "**+

messageText,Toast.***LENGTH\_LONG***).show();

*// If your OTP is six digits number, you may use the below code*

Pattern pattern = Pattern.*compile*(***OTP\_REGEX***);

Matcher matcher = pattern.matcher(messageText);

String otp = **"XXXXX"**;

**while** (matcher.find())

{

otp = matcher.group();

}

Toast.*makeText*(MainActivity.**this**,**"OTP: "**+ otp ,Toast.***LENGTH\_LONG***).show();

TextView t = findViewById(R.id.***tv***);

t.setText(otp);

}

});

**broadcastReceiver** = **new** MyOTPReceiver();

}

@Override

**protected void** onStart() {

**super**.onStart();

IntentFilter intentFilter=**new** IntentFilter

(**"android.provider.Telephony.SMS\_RECEIVED"**);

registerReceiver(**broadcastReceiver**,intentFilter);

}

@Override

**protected void** onStop() {

**super**.onStop();

unregisterReceiver(**broadcastReceiver**);

}

}

Activity\_main.xml

*<?***xml version="1.0" encoding="utf-8"***?>*

<**android.support.constraint.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"**>

<**TextView**

**android:id="@+id/tv"**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:layout\_marginStart="8dp"**

**android:layout\_marginTop="8dp"**

**android:text="Hello World!"**

**android:textColor="@color/colorAccent"**

**android:textSize="20dp"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintLeft\_toLeftOf="parent"**

**app:layout\_constraintRight\_toRightOf="parent"**

**app:layout\_constraintStart\_toStartOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"** />

</**android.support.constraint.ConstraintLayout**>