Code:

Activity_mani.xml

```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:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Idris Ratlamwala"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

mainActivity.java

```java
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.content.IntentFilter;
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        IntentFilter filter = new
IntentFilter("android.provider.Telephony.SMS_RECEIVED");
        registerReceiver(new SMSReceiver(), filter);


    }
}
```

SMSReceiver.java

```java
package com.example.myapplication;

import android.app.Notification;
import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import android.telephony.SmsMessage;
import android.widget.Toast;

import androidx.core.app.NotificationCompat;
import androidx.core.app.NotificationManagerCompat;

public class SMSReceiver extends BroadcastReceiver {

    @Override
    public void onReceive(Context context, Intent intent) {
        Bundle bundle = intent.getExtras();
        if (bundle != null){
            Object pdus[] = (Object[]) bundle.get("pdus");
            for (int i = 0; i < pdus.length; i++) {
                SmsMessage smsMessage = SmsMessage.createFromPdu((byte[]) pdus[i]);
                String sender = smsMessage.getDisplayOriginatingAddress();
                String message = smsMessage.getDisplayMessageBody();
                createNotification(context, sender, message);
                Toast.makeText(context, message, Toast.LENGTH_LONG).show();

            }
        }
    }
    public void createNotification(Context context, String sender, String message){
        NotificationCompat.Builder builder = new NotificationCompat.Builder(context, "Channel_id")
                .setSmallIcon(R.drawable.ic_launcher_background)
                .setContentTitle("New message from" + sender)
                .setPriority(NotificationCompat.PRIORITY_DEFAULT);

        NotificationManagerCompat notificationManager = NotificationManagerCompat.from(context);
        notificationManager.notify(0, builder.build());
    }
}
```

Output: