MainActivity.java

Package com.example.smsapp;

Import android.Manifest;

Import android.content.pm.PackageManager;

Import android.os.Bundle;

Import android.telephony.SmsManager;

Import android.view.View;

Import android.widget.Button;

Import android.widget.EditText;

Import android.widget.Toast;

Import androidx.appcompat.app.AppCompatActivity;

Import androidx.core.app.ActivityCompat;

Import androidx.core.content.ContextCompat;

Public class MainActivity extends AppCompatActivity {

Private static final int PERMISSION\_REQUEST\_CODE = 1;

EditText phoneNumberEditText, messageEditText;

Button sendSmsButton;

@Override

Protected void onCreate(Bundle savedInstanceState) {

Super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

phoneNumberEditText = findViewById(R.id.editTextPhoneNumber);

messageEditText = findViewById(R.id.editTextMessage);

sendSmsButton = findViewById(R.id.buttonSendSms);

sendSmsButton.setOnClickListener(new View.OnClickListener() {

@Override

Public void onClick(View v) {

sendSMS();

}

});

// Check and request SMS permission

If (ContextCompat.checkSelfPermission(this, Manifest.permission.SEND\_SMS) != PackageManager.PERMISSION\_GRANTED) {

ActivityCompat.requestPermissions(this, new String[]{Manifest.permission.SEND\_SMS}, PERMISSION\_REQUEST\_CODE);

}

}

Private void sendSMS() {

String phoneNumber = phoneNumberEditText.getText().toString();

String message = messageEditText.getText().toString();

If (!phoneNumber.isEmpty() && !message.isEmpty()) {

Try {

SmsManager smsManager = SmsManager.getDefault();

smsManager.sendTextMessage(phoneNumber, null, message, null, null);

Toast.makeText(this, “SMS sent successfully!”, Toast.LENGTH\_SHORT).show();

} catch (Exception e) {

Toast.makeText(this, “SMS failed to send. Please try again.”, Toast.LENGTH\_SHORT).show();

e.printStackTrace();

}

} else {

Toast.makeText(this, “Please enter both phone number and message.”, Toast.LENGTH\_SHORT).show();

}

}

}