<u>Program-6:-</u>Develop an application to send SMS to particular contact from the Phonebook. **activity main.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="SMS SEND EXAMPLE"
    android:textSize="24sp"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintLeft toLeftOf="parent"
    app:layout constraintRight toRightOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout constraintVertical bias="0.125" />
  <EditText
    android:id="@+id/editTextTextPersonName"
    android:layout width="360dp"
    android:layout height="63dp"
    android:ems="10"
    android:hint="eg:123456789"
    android:inputType="number|textPersonName"
    app:layout constraintBottom toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout constraintVertical bias="0.22" />
  <EditText
    android:id="@+id/editTextTextPersonName2"
    android:layout width="362dp"
    android:layout height="62dp"
    android:ems="10"
    android:hint="message"
    android:inputType="textPersonName"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintHorizontal bias="0.577"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout constraintVertical bias="0.38" />
  <Button
    android:id="@+id/button"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="SEND"
    app:layout constraintBottom toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout constraintVertical bias="0.585" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

```
MainAcivity.java:-
package com.durgesh.sms example;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.telephony.SmsManager;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    EditText mobile=findViewById(R.id.editTextTextPersonName);
    EditText textMessage=findViewById(R.id.editTextTextPersonName2);
    Button button=findViewById(R.id.button);
    button.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View view) {
         try {
            SmsManager smsManager = SmsManager.getDefault();
            smsManager.sendTextMessage(mobile.getText().toString(),null,
textMessage.getText().toString(), null, null);
            Toast.makeText(MainActivity.this, "SMS Send Successfully",
Toast.LENGTH SHORT).show();
         }catch (Exception e)
            Toast.makeText(MainActivity.this, "SMS Failed to Send Please try again!!",
Toast.LENGTH SHORT).show();
       }
    });
  }
}
```

## **Give SEND SMS permission in Androidfest.xml file**

<uses-permission android:name="android.permission.SEND SMS"/>

## **Output:-**

