**Program-6:-**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:-