“**Experiment 1.6”**

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**Subject Name: MAD Lab Subject Code: 20CSP-356**

**AIM:**

Create an Android-based application and use Intent to send SMS.

**Requirements:**

Android Studio.

## Script and Output: XML CODE:

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

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="<http://schemas.android.com/apk/res/android>"

xmlns:app=["ht](http://schemas.android.com/apk/res-auto)t[p://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="<http://schemas.android.com/tools>" android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:background="#000000" tools:context=".MainActivity">

<Button

android:id="@+id/button" android:layout\_width="115dp" android:layout\_height="55dp" android:backgroundTint="#D0D68D" android:fontFamily="sans-serif-smallcaps" android:text="SEND"

/>

<EditText android:id="@+id/phone" android:layout\_width="282dp" android:layout\_height="60dp"

android:layout\_marginTop="224dp" android:background="#A6939A" android:ems="10" android:fontFamily="sans-serif-smallcaps" android:hint="+91 \*\*\*\*\* \*\*\*\*\*"

/>

<TextView android:id="@+id/textView6" android:layout\_width="258dp" android:layout\_height="45dp" android:layout\_marginTop="112dp"

android:fontFamily="sans-serif-smallcaps" android:text="Phone Number" android:textAlignment="center" android:textColor="#FFFFFF" android:textSize="22sp"

/>

<EditText android:id="@+id/message" android:layout\_width="330dp" android:layout\_height="136dp" android:background="#A6939A" android:ems="10"

android:fontFamily="sans-serif-smallcaps" android:hint="Your Message" android:inputType="textMultiLine"

android:textAlignment="center" android:textColor="#FFFFFF" android:textColorHint="#FFFFFF" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toBottomOf="@+id/phone" app:layout\_constraintVertical\_bias="0.566" />

</androidx.constraintlayout.widget.ConstraintLayout>

# JAVA CODE:

package com.example.experiment\_6;

import androidx.appcompat.app.AppCompatActivity; import android.annotation.SuppressLint;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity { EditText phone,msg;

@SuppressLint("MissingInflatedId") @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main); phone=findViewById(R.id.phone); msg=findViewById(R.id.message);

}

public void sendSms(View view)

{

String number,message;

number=phone.getText().toString(); message=msg.getText().toString();

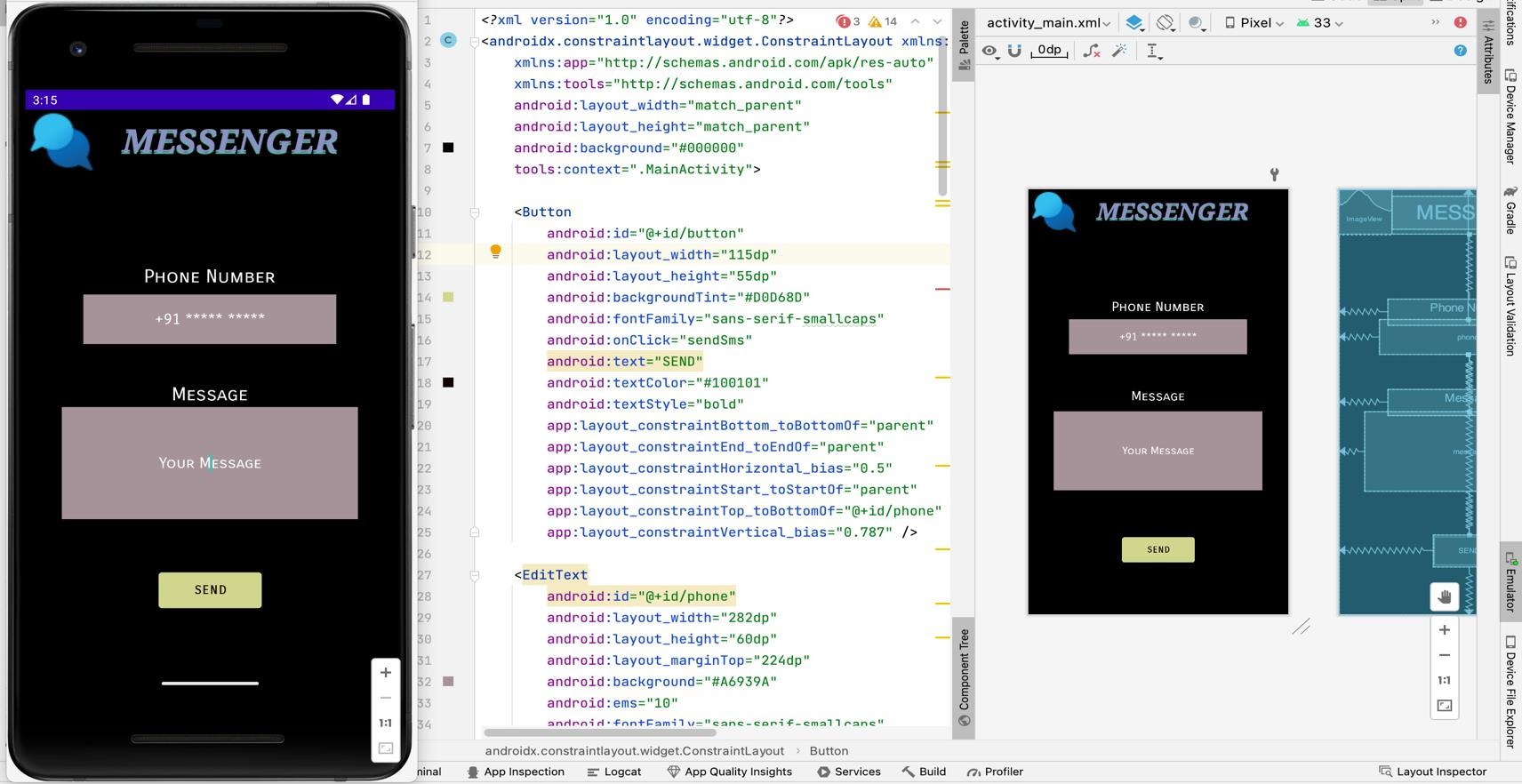
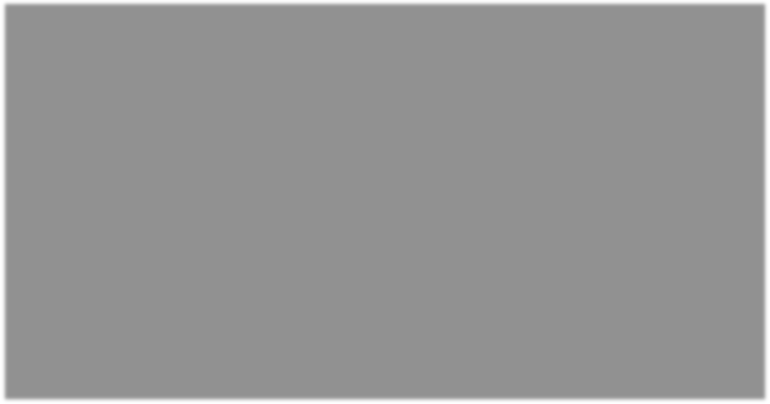
Intent i = new Intent(Intent.ACTION\_VIEW, Uri.parse("sms:"+ number)); i.putExtra("sms\_body",message);

startActivity(i);

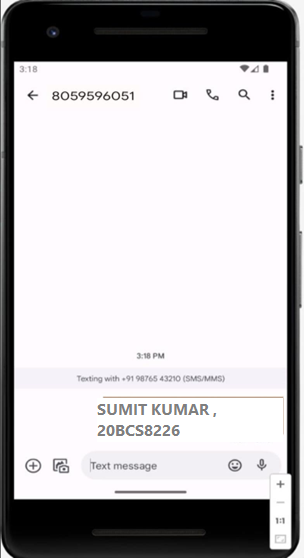
}

}

**OUTPUT:**



# SCREENSHOTS:

# Learning Outcomes:

* Learnt the use of Intent in Android Studio.
* Learnt to Build the application to perform the use of Intents.
* Learnt how to send SMS using Intent.