Experiment - 6

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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="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" />
```

JAVA CODE:

package com.example.experiment_6;

import androidx.appcompat.app.AppCompatActivity;

</androidx.constraintlayout.widget.ConstraintLayout>

```
import android.annotation.SuppressLint; import
android.widget.EditText;
public class MainActivity extends AppCompatActivity {
  EditText phone,msg;
  @SuppressLint("MissingInflatedId")
  @Override protected void on Create (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);
```

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.

SCREENSHOTS:



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