

Aim:

To develop an Android Application to send an Email.

Procedure:

Creating a New project:

- Open Android Studio and then click on **File -> New -> New project**.
- Then type the Application name as **“exno11”** and click Next.
- Then **select the Minimum SDK** as shown below and click Next.
- Then **select the Empty Activity** and click Next.
- Finally click **Finish**.
- It will take some time to build and load the project.

Designing layout for the Android Application:

- Click on **app -> res -> layout -> activity_main.xml**.

Code for Activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="20dp"
    android:paddingRight="20dp"
    android:orientation="vertical"
    >
    <EditText
        android:id="@+id/txtTo"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="To"/>
    <EditText
        android:id="@+id/txtSub"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Subject"/>
    <EditText
```

```

        android:id="@+id/txtMsg"
        android:layout_width="match_parent"
        android:layout_height="0dp"
        android:layout_weight="1"
        android:gravity="top"
        android:hint="Message"/>
<Button
    android:layout_width="100dp"
    android:layout_height="wrap_content"
    android:layout_gravity="right"
    android:text="Send"
    android:id="@+id/btnSend"/>
</LinearLayout>

```

Adding permissions in Manifest for the Android Application:

- Click on **app -> manifests -> AndroidManifest.xml**.
- Now include the INTERNET permissions in the AndroidManifest.xml file as shown below.

Code for AndroidManifest.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    package="com.example.exno11" >
    <uses-permission android:name="android.permission.INTERNET" />
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme"
        tools:ignore="GoogleAppIndexingWarning">

        <activity
            android:name="com.example.exno11.MainActivity"
            android:label="@string/app_name">

            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>

```

```

        <action android:name="android.intent.action.SEND"/>
        <category android:name="android.intent.category.DEFAULT"/>
        <data android:mimeType="message/rfc822"/>
    </intent-filter>
</activity>
</application>
</manifest>

```

- So now the Permissions are added in the Manifest.

Java Coding for the Android Application:

- Click on **app -> java -> com.example.exno10 -> MainActivity**.

Code for MainActivity.java:

```

package com.example.exno11;

import android.content.Intent;
//import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import
android.widget.EditText;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {

    private EditText eTo;
    private EditText
eSubject;private
EditText eMsg; private
Button btn; @Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    eTo = (EditText)findViewById(R.id.txtTo);
    eSubject =
(EditText)findViewById(R.id.txtSub); eMsg =
(EditText)findViewById(R.id.txtMsg); btn =
(Button)findViewById(R.id.btnSend);
    btn.setOnClickListener(new
View.OnClickListener() { @Override

```

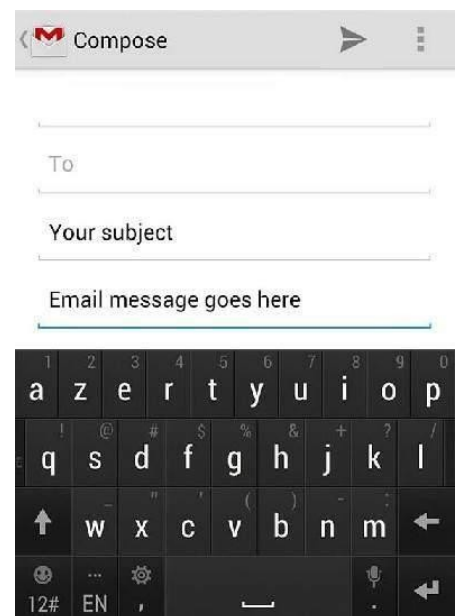
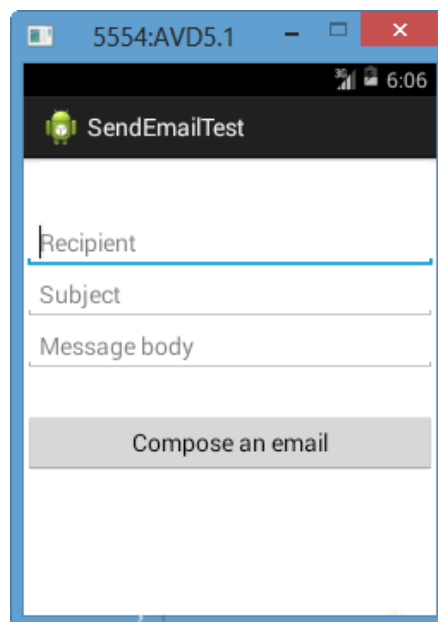
```

public void onClick(View v) {
    Intent it = new Intent(Intent.ACTION_SEND);
    it.putExtra(Intent.EXTRA_EMAIL, new
    String[]{eTo.getText().toString()});
    it.putExtra(Intent.EXTRA_SUBJECT,eSubject.get
    Text().toString());
    it.putExtra(Intent.EXTRA_TEXT,eMsg.getText());
    it.setType("message/rfc822");
    startActivity(Intent.createChooser(it,"Choose Mail
    App"));
}
}
}

```

- Run the application to see the output.

Output:



Result:

Thus Android Application for sending an email is developed and executed successfully.