Send Email

Aim

Develop an application to Send Email.

Procedure:

Step 1 : File -> NewProject

Provide the application name and Click "Next"

Step 2 : Select the target android devices

Select the minimum SDK to run the application. Click "Next".

Step 3 : Choose the activity for the application (By default choose "Blank Activity).

Click "Next".

Step 4 : Enter activity name and click "Finish".

Step 5 : Edit the program.

Step 6 : Run the application, 2-ways to run the application.

1. Running through emulator

2. Running through mobile device

AndroidManifest.xml

```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">

    <application        android:allowBackup="true"
android:dataExtractionRules="@xml/data_extraction_rules"
android:fullBackupContent="@xml/backup_rules"
android:icon="@mipmap/ic_launcher"
android:label="@string/app_name"
android:roundIcon="@mipmap/ic_launcher_round"
android:supportsRtl="true"
android:theme="@style/Theme.Ex8b"        tools:targetApi="31">
    <activity
android:name=".MainActivity"
android:exported="true">
        <intent-filter>
          <action android:name="android.intent.action.MAIN" />

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

</manifest>
```

Activity_main.xml

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

xmlns:android="http://sche
mas.android.com/apk/res/a
ndroid"

android:layout_width="mat
ch_parent"
android:layout_height="ma
```

```xml
tch_parent"

android:padding="16dp"

android:orientation="vertic
al">

    <EditText

android:id="@+id/editText
Email"

android:layout_width="mat
ch_parent"

android:layout_height="wr
ap_content"

android:hint="Recipient
Email"

android:inputType="textE
mailAddress"/>

    <EditText

android:id="@+id/editTextS
ubject"

android:layout_width="mat
ch_parent"
android:layout_height="wr
ap_content"
```

```xml
android:hint="Subject"/>

    <EditText

android:id="@+id/editText
Message"

android:layout_width="mat
ch_parent"

android:layout_height="wr
ap_content"

android:hint="Message"
android:minLines="5"
android:gravity="top"

android:inputType="textM
ultiLine"/>

    <Button

android:id="@+id/buttonSe
nd"

android:layout_width="mat
ch_parent"

android:layout_height="wr
ap_content"
android:text="Send
```

Email"

android:layout_marginTop
="16dp"/>

</LinearLayout>

MainActivity.kt

package
com.example.ex8b

import
android.content.Intent
import android.net.Uri
import
androidx.appcompat.app
.AppCompatActivity
import
android.os.Bundle
import
android.widget.Button
import
android.widget.EditText
import
android.widget.Toast

class MainActivity :
AppCompatActivity() {
private lateinit var
editTextEmail: EditText

```kotlin
private lateinit var
editTextSubject: EditText
private lateinit var
editTextMessage:
EditText    private
lateinit var buttonSend:
Button

    override fun
onCreate(savedInstanceS
tate: Bundle?) {

super.onCreate(savedInst
anceState)

setContentView(R.layout.
activity_main)

    editTextEmail =
findViewById(R.id.editT
extEmail)
editTextSubject =
findViewById(R.id.editT
extSubject)
editTextMessage =
findViewById(R.id.editT
extMessage)
buttonSend =
findViewById(R.id.butto
nSend)
```

```kotlin
buttonSend.setOnClickLi
stener {
sendEmail()
    }
  }

   private fun
sendEmail() {
    val recipient =
editTextEmail.text.toStri
ng()        val subject =
editTextSubject.text.toStr
ing()        val message =
editTextMessage.text.toSt
ring()

if
(recipient.isEmpty() ||
subject.isEmpty() ||
message.isEmpty()) {

Toast.makeText(this,
"Please fill all fields",
Toast.LENGTH_SHORT
).show()
    return
  }
```

```kotlin
    val intent =
Intent(Intent.ACTION_S
ENDTO).apply {
        data =
Uri.parse("mailto:") / /
only email apps should
handle this

putExtra(Intent.EXTRA_
EMAIL,
arrayOf(recipient))

putExtra(Intent.EXTRA_
SUBJECT, subject)

putExtra(Intent.EXTRA_
TEXT, message)
    }
if
(intent.resolveActivity(pa
ckageManager) != null) {

startActivity(intent)
    } else {
Toast.makeText(this, "No
email client installed.",
Toast.LENGTH_SHORT
).show()
    }
  }
```
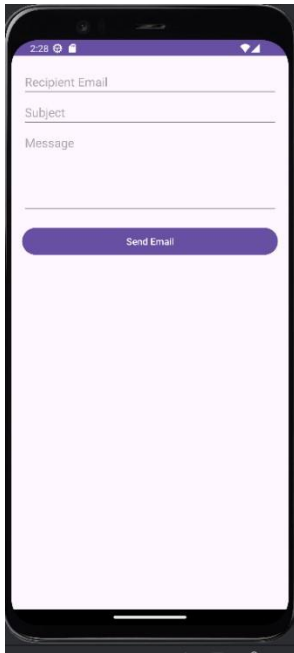
}

Output :

Result:
The Application was developed using Kotlin in Android Studio.