Ex. No. : 8b   **Date: 15.03.2025**

Register No.: 221701020   **Name: Hemalatha R**

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://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:padding="16dp"
     android:orientation="vertical">
```

```xml
    <EditText

    android:id="@+id/editTextEmail"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Recipient Email"
    android:inputType="textEmailAddress"/>
    <EditText
    android:id="@+id/editTextSubject"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:hint="Subject"/>

    <EditText
    android:id="@+id/editTextMessage"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"

    android:hint="Message"
    android:minLines="5"
    android:gravity="top"
    android:inputType="textMultiLine"/>
```

```
<Button

android:id="@+id/buttonSend"

android:layout_width="match_parent"
android:layout_height="wrap_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 private lateinit var

editTextSubject: EditText

```kotlin
 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.editTextMessage)
 buttonSend =
findViewById(R.id.buttonSend)


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

```kotlin
private fun
sendEmail() {
 val recipient =
editTextEmail.text.toString()
 val subject =
editTextSubject.text.toString()
 val message =
editTextMessage.text.toString()

 if  (recipient.isEmpty() || subject.isEmpty() || message.isEmpty()) {
Toast.makeText(this,
"Please fill all fields",
Toast.LENGTH_SHORT
).show()
 return
 }

 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)
```
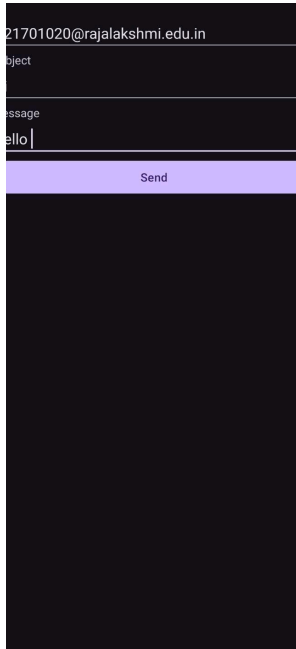
```
putExtra(Intent.EXTRA_
TEXT, message)
 }

 if
(intent.resolveActivity(pa
ckageManager) != null) {

startActivity(intent)
 } else {

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

Output :

21701020@rajalakshmi.edu.in

bject

essage

ello |

Send

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