Ex. No.   :   8b   **Date:04/05/25**

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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"
    package="com.example.exp8b"
    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.Exp8b"
        tools:targetApi="31">

        <activity
            android:name=".MainActivity"
            android:exported="true"
            android:theme="@style/Theme.Exp8b">
            <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:orientation="vertical"
    android:padding="20dp"
    android:background="#FFFFFF">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Send Email"
        android:textColor="#FFFFFF"
        android:background="#800080"
        android:padding="12dp"
        android:textSize="18sp"
        android:textStyle="bold"
        android:gravity="center"/>

    <EditText
        android:id="@+id/emailAddress"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:hint="To"
        android:backgroundTint="#800080" />

    <EditText
        android:id="@+id/emailSubject"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:hint="Subject"
        android:backgroundTint="#800080" />

    <EditText
        android:id="@+id/emailMessage"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="10dp"
        android:hint="Message"
        android:minLines="4"
        android:backgroundTint="#800080" />

    <Button
        android:id="@+id/sendButton"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="20dp"
        android:text="Send"
        android:textColor="#FFFFFF"
        android:background="#800080"/>
</LinearLayout>
```

MainActivity.kt

```kotlin
package com.example.exp8b

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

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val addressEditText = findViewById<EditText>(R.id.emailAddress)
        val subjectEditText = findViewById<EditText>(R.id.emailSubject)
        val messageEditText = findViewById<EditText>(R.id.emailMessage)
        val sendButton = findViewById<Button>(R.id.sendButton)

        sendButton.setOnClickListener {
            val address = addressEditText.text.toString()
            val subject = subjectEditText.text.toString()
            val message = messageEditText.text.toString()

            val intent = Intent(Intent.ACTION_SENDTO).apply {
                data = Uri.parse("mailto:")
                putExtra(Intent.EXTRA_EMAIL, arrayOf(address))
                putExtra(Intent.EXTRA_SUBJECT, subject)
                putExtra(Intent.EXTRA_TEXT, message)
            }

            if (intent.resolveActivity(packageManager) != null) {
                startActivity(intent)
            }
        }
    }
}
```
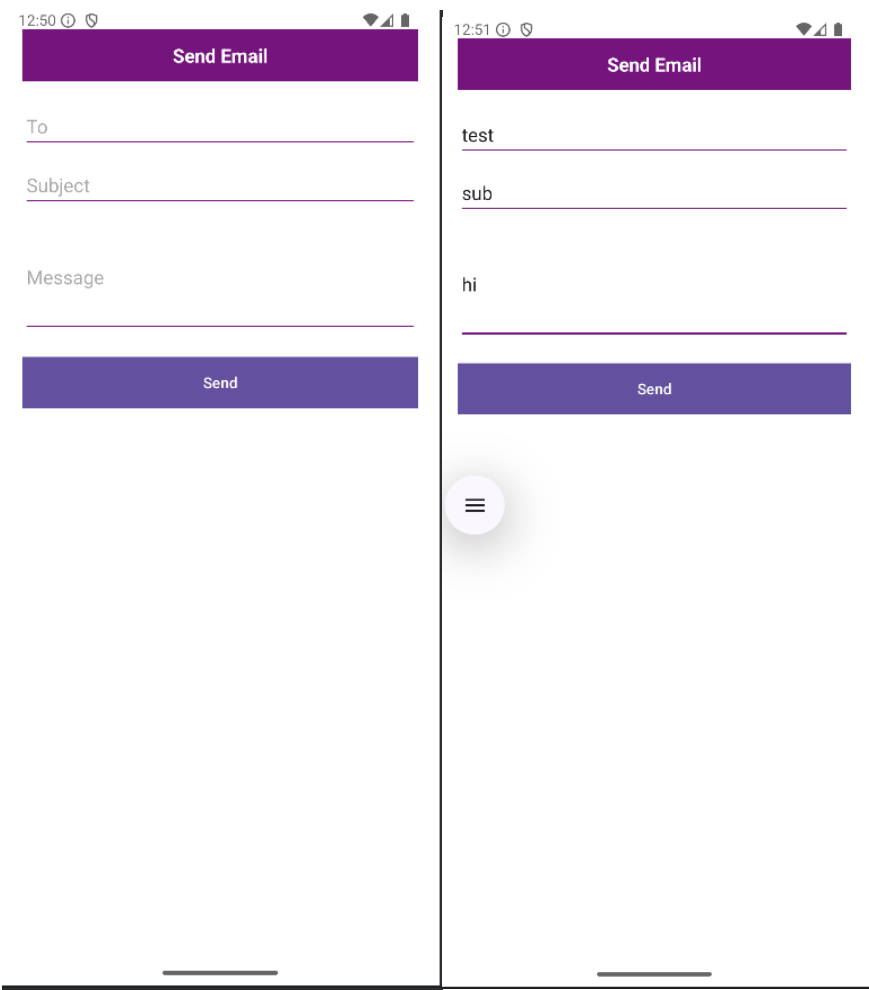
OUTPUT:

Result:

The experiment has been executed successfully