

**Ex. No. : 08-B**

**Date: 24/04/2025**

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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.***

***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 version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android">

    <application
        android:allowBackup="true"
        android:label="8bexp"
        android:supportsRtl="true"
        android:theme="@style/Theme.Material3.DayNight.NoActionBar">

        <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 version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:padding="16dp"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

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

    <EditText
        android:id="@+id/etSubject"
        android:hint="Subject"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <EditText
        android:id="@+id/etMessage"
        android:hint="Message"
        android:inputType="textMultiLine"
        android:minLines="5"
        android:gravity="top"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

    <Button
        android:id="@+id/btnSendEmail"
        android:text="Send Email"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:layout_gravity="center_horizontal" />
</LinearLayout>
```

### **MainActivity.kt**

```
package com.example.a8bexp

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

class MainActivity : AppCompatActivity() {

    private lateinit var etTo: EditText
    private lateinit var etSubject: EditText
    private lateinit var etMessage: EditText
    private lateinit var btnSendEmail: Button

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

        etTo = findViewById(R.id.etTo)
        etSubject = findViewById(R.id.etSubject)
        etMessage = findViewById(R.id.etMessage)
        btnSendEmail = findViewById(R.id.btnSendEmail)

        btnSendEmail.setOnClickListener {
            val to = etTo.text.toString()
            val subject = etSubject.text.toString()
            val message = etMessage.text.toString()

            if (to.isNotEmpty() && subject.isNotEmpty() && message.isNotEmpty()) {
                sendEmail(to, subject, message)
            } else {
                Toast.makeText(this, "All fields are required", Toast.LENGTH_SHORT).show()
            }
        }
    }

    private fun sendEmail(to: String, subject: String, message: String) {
        val intent = Intent(Intent.ACTION_SENDTO).apply {
```

```
        data = Uri.parse("mailto:")
        putExtra(Intent.EXTRA_EMAIL, arrayOf(to))
        putExtra(Intent.EXTRA_SUBJECT, subject)
        putExtra(Intent.EXTRA_TEXT, message)
    }

    if (intent.resolveActivity(packageManager) != null) {
        startActivity(Intent.createChooser(intent, "Choose Email App"))
    } else {
        Toast.makeText(this, "No email app found", Toast.LENGTH_SHORT).show()
    }
}
}
```

## ***Output***

The image displays two side-by-side mobile application mockups for an email client. Both mockups have a light pink background and a white header bar at the top.

**Left Mockup:**

- Header bar: 221701023@rajalakshmi.edu.in
- Text input field: MAD
- Text input field: HI EVEYONE
- Bottom left: A white circular button with a black hamburger menu icon.
- Bottom right: A purple rounded rectangular button with the text "Send Email".

**Right Mockup:**

- Header bar: Recipient Email
- Text input field: Subject
- Text input field: Message
- Bottom right: A purple rounded rectangular button with the text "Send Email".

## **Result:**

**The Send Email experiment has been successfully completed**