**EXPERIMENT-8b Send Email**

**AIM:**

To implement an application to Send Email.

**PROCEDURE:**

* Go to File → New Project. f
* Provide the Application Name and click Next.
* Select the Target Android Devices.
* Choose the Minimum SDK required.
* Choose the activity (Blank Activity by default).
* Enter the Activity Name.
* Click Finish.
* Edit the program (design layout and write Kotlin code).
* Run the Application in 2 ways:
  1. Using an Emulator.
  2. Using a Real Mobile Device (via USB debugging).

**PROGRAM:**

## **AndroidManifest.xml :**

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

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.emailapp">

<application

android:allowBackup="true"

android:label="Email Sender"

android:icon="@mipmap/ic\_launcher"

android:roundIcon="@mipmap/ic\_launcher\_round"

android:supportsRtl="true"

android:theme="@style/Theme.EmailApp">

<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:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="20dp"

android:orientation="vertical">

<EditText

android:id="@+id/emailInput"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Recipient Email"

android:inputType="textEmailAddress" />

<EditText

android:id="@+id/subjectInput"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Subject" />

<EditText

android:id="@+id/messageInput"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:hint="Message"

android:inputType="textMultiLine"

android:minLines="4"

android:gravity="top" />

<Button

android:id="@+id/sendButton"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text="Send Email"

android:layout\_marginTop="20dp" />

</LinearLayout>

**MainActivity.kt :**

package com.example.emailapp

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 emailInput: EditText

private lateinit var subjectInput: EditText

private lateinit var messageInput: EditText

private lateinit var sendButton: Button

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.activity\_main)

emailInput = findViewById(R.id.emailInput)

subjectInput = findViewById(R.id.subjectInput)

messageInput = findViewById(R.id.messageInput)

sendButton = findViewById(R.id.sendButton)

sendButton.setOnClickListener {

sendEmail()

}

}

private fun sendEmail() {

val recipient = emailInput.text.toString().trim()

val subject = subjectInput.text.toString().trim()

val message = messageInput.text.toString().trim()

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

Toast.makeText(this, "All fields are required", Toast.LENGTH\_SHORT).show()

return

}

val emailIntent = Intent(Intent.ACTION\_SENDTO).apply {

data = Uri.parse("mailto:")

putExtra(Intent.EXTRA\_EMAIL, arrayOf(recipient))

putExtra(Intent.EXTRA\_SUBJECT, subject)

putExtra(Intent.EXTRA\_TEXT, message)

}

if (emailIntent.resolveActivity(packageManager) != null) {

startActivity(emailIntent)

} else {

Toast.makeText(this, "No email app available", Toast.LENGTH\_SHORT).show()

}

}

}