AIM:-

Develop an application to send Email.

PROCEDURE:-

Step 1: Create a new Android Project.

Step 2: Design the user Interface.

Step 3: Implement Email sending.

Step 4: Handle Email reception.

Step 5: Test the application.

Step 6: Handle edge cases.

Step 7: Optimize and refine.

PRGRAM CODE:-

AndroidManifest.xml:

```
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.emailsender">
    <uses-permission android:name="android.permission.INTERNET" />
    <uses-permission android:name="android.permission.SEND_EMAIL" />
    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
```

```xml
                android:roundIcon="@mipmap/ic_launcher_round"

                android:supportsRtl="true"

                android:theme="@style/AppTheme">

                <activity android:name=".MainActivity">

                    <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"?>

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

    xmlns:tools="http://schemas.android.com/tools"

    android:layout_width="match_parent"

    android:layout_height="match_parent"

    tools:context=".MainActivity">

    <!-- Input fields for email address, subject, and message body -->

    <EditText

        android:id="@+id/editTextEmailAddress"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"
```

```xml
        android:hint="Email Address" />

    <EditText

        android:id="@+id/editTextSubject"

        android:layout_below="@id/editTextEmailAddress"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:layout_marginTop="16dp"

        android:hint="Subject" />

    <EditText

        android:id="@+id/editTextMessage"

        android:layout_below="@id/editTextSubject"

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:layout_marginTop="16dp"

        android:hint="Message" />

    <!-- Button to send email -->

    <Button

        android:id="@+id/buttonSendEmail"

        android:layout_below="@id/editTextMessage"

        android:layout_width="wrap_content"

        android:layout_height="wrap_content"

        android:layout_centerHorizontal="true"

        android:layout_marginTop="16dp"
```

```
            android:text="Send Email" />

</RelativeLayout>
```

MainActivity.kt:

```kotlin
package com.example.emailsender

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 editTextEmailAddress =
findViewById<EditText>(R.id.editTextEmailAddress)

      val editTextSubject = findViewById<EditText>(R.id.editTextSubject)

      val editTextMessage = findViewById<EditText>(R.id.editTextMessage)

      val buttonSendEmail = findViewById<Button>(R.id.buttonSendEmail)

      buttonSendEmail.setOnClickListener {

         val emailAddress = editTextEmailAddress.text.toString().trim()

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

         val message = editTextMessage.text.toString().trim()
```

```kotlin
            if (emailAddress.isNotEmpty() && subject.isNotEmpty() &&
message.isNotEmpty()) {

                sendEmail(emailAddress, subject, message)

            } else {

                // Handle empty fields

            }

        }

    }

    private fun sendEmail(emailAddress: String, subject: String, message: String) {

        val intent = Intent(Intent.ACTION_SENDTO).apply {

            data = Uri.parse("mailto:")

            putExtra(Intent.EXTRA_EMAIL, arrayOf(emailAddress))

            putExtra(Intent.EXTRA_SUBJECT, subject)

            putExtra(Intent.EXTRA_TEXT, message)

        }

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

            startActivity(intent)

        } else {

            // Handle no email app installed

        }

    }

}
```
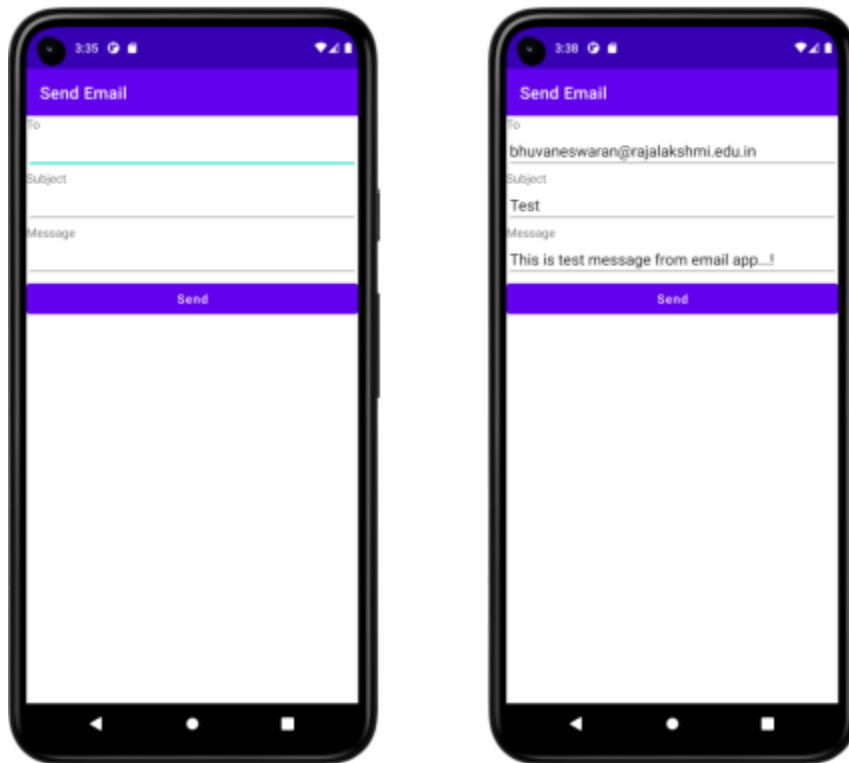
OUTPUT:-

RESULT:-

Thus to develop an application to send Email is implemented and executed successfully.