

DATE:**SEND EMAIL****AIM:**

Develop an application to send Email.

PROCEDURE:

- Open Android Studio and import the package
- In activity_main.xml drag and drop the buttons
- The button needs to perform actions to change the colour, font size and background colour
- Click android virtual device that should control the toolbar
- Design the graphical layout with the textview and buttons
- Run the application
- The version of android and name is displayed
- The theme of the file is also mentioned in a file
- Run the file using the version which is displayed to the users.

PROGRAM 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"
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 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"
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:

```

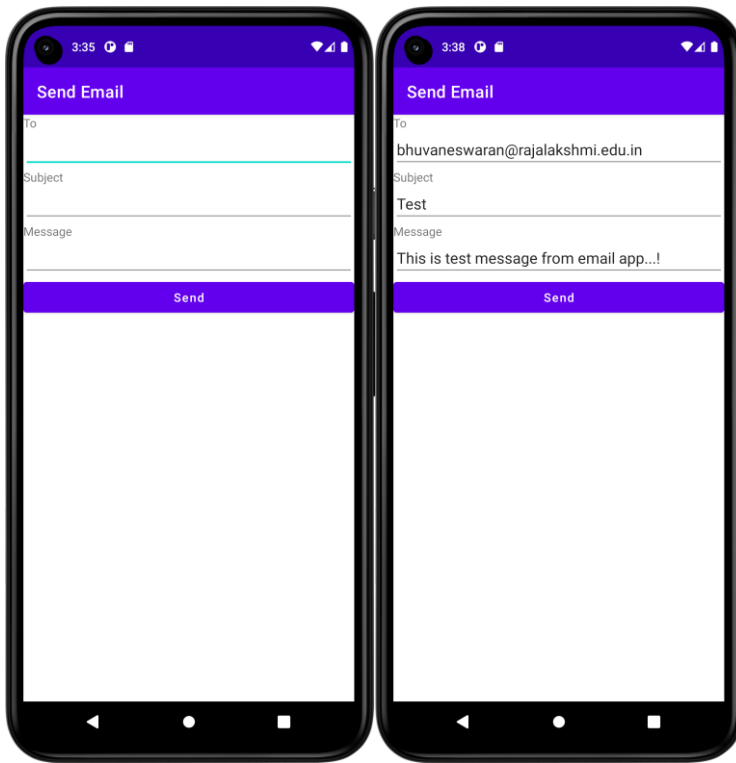
package com.example.emailsender
import android.content.Intent
import android.net.Uri
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import androidx.appcompat.app.AppCompatActivity
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: 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()
    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: