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Practical No: 30

1. Write a program to send an email

Activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <EditText  
 android:id="@+id/to"  
 android:layout\_width="300dp"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="To"  
 android:inputType="textPersonName"  
 android:textSize="20dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/sub"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.503"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.783" />  
  
 <EditText  
 android:id="@+id/sub"  
 android:layout\_width="300dp"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Subject"  
 android:inputType="textPersonName"  
 android:textSize="20dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/msg"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.876" />  
  
 <EditText  
 android:id="@+id/msg"  
 android:layout\_width="300dp"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Message"  
 android:inputType="textPersonName"  
 android:textSize="20dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.468"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.429" />  
  
 <Button  
 android:id="@+id/send"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Send"  
 android:textSize="20dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/msg" />  
</androidx.constraintlayout.widget.ConstraintLayout>

MainActivity.java

package com.example.mad\_playground;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.provider.ContactsContract;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 EditText to,sub, msg;  
 Button send;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 to = findViewById(R.id.*to*);  
 sub = findViewById(R.id.*sub*);  
 msg = findViewById(R.id.*msg*);  
 send = findViewById(R.id.*send*);  
 send.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 sendEmail();  
 }  
 });  
 }  
  
 private void sendEmail(){  
 Intent emailIntent = new Intent(Intent.*ACTION\_SEND*);  
 String[] to= new String[10];  
  
 emailIntent.setData(Uri.*parse*("mailto:"));  
 emailIntent.setType("text/plain");  
  
 emailIntent.putExtra(Intent.*EXTRA\_EMAIL*, to);  
 emailIntent.putExtra(Intent.*EXTRA\_SUBJECT*, sub.getText().toString());  
 emailIntent.putExtra(Intent.*EXTRA\_TEXT*, msg.getText().toString());  
  
  
 try {  
 startActivity(Intent.*createChooser*(emailIntent, "Send mail..."));  
 finish();  
 Log.*i*("Finished sending email.", "");  
 } catch (android.content.ActivityNotFoundException ex) {  
 Toast.*makeText*(MainActivity.this, "There is no email client installed", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
}

OUTPUT:



