Slip no – 8

Q1. Create an Android App with Login Screen. On successful login, gives message go to next Activity (Without Using Database& use Table Layout).

* Open your AndroidManifest.xml file and add the ResultActivity declaration within code.

<application

<!-- Other application configurations -->

<activity android:name=".ResultActivity"/>

</application>

activity\_main.xml

<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">  
  
 <TableLayout  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_centerInParent*="true"  
 *android:padding*="20dp">  
  
 <TableRow>  
 <TextView  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Username:" />  
 <EditText  
 *android:id*="@+id/usernameEditText"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_weight*="1"  
 *android:hint*="Enter username" />  
 </TableRow>  
  
 <TableRow>  
 <TextView  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Password:" />  
 <EditText  
 *android:id*="@+id/passwordEditText"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_weight*="1"  
 *android:inputType*="textPassword"  
 *android:hint*="Enter password" />  
 </TableRow>  
  
 <TableRow>  
 <Button  
 *android:id*="@+id/loginButton"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Login" />  
 </TableRow>  
 </TableLayout>  
  
</RelativeLayout>

activity\_result.xml

<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*=".ResultActivity">  
  
 <TextView  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Welcome to the Next Activity!"  
 *android:layout\_centerInParent*="true"/>  
  
</RelativeLayout>

MainActivity.java

*package* com.example.activitylifecycle;  
*import* android.content.Intent;  
*import* android.os.Bundle;  
*import* android.view.View;  
*import* android.widget.Button;  
*import* android.widget.EditText;  
*import* android.widget.Toast;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*public class* MainActivity *extends* AppCompatActivity {  
  
 *private* EditText usernameEditText, passwordEditText;  
 *private* Button loginButton;  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 usernameEditText = findViewById(R.id.*usernameEditText*);  
 passwordEditText = findViewById(R.id.*passwordEditText*);  
 loginButton = findViewById(R.id.*loginButton*);  
  
 loginButton.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View v) {  
 String username = usernameEditText.getText().toString();  
 String password = passwordEditText.getText().toString();  
  
 *// Dummy login check  
 if* (username.equals("admin") && password.equals("123")) {  
 *// Successful login, navigate to next activity* Intent intent = *new* Intent(MainActivity.*this*, ResultActivity.*class*);  
 startActivity(intent);  
 } *else* {  
 *// Invalid credentials, display error message* Toast.*makeText*(MainActivity.*this*, "Invalid username or password", Toast.***LENGTH\_SHORT***).show();  
 }  
 }  
 });  
 }  
}

ResultActivity.java

*package* com.example.activitylifecycle;  
*import* android.os.Bundle;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*public class* ResultActivity *extends* AppCompatActivity {  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_result*);  
 }  
}

Q2. Create application to send email with attachment.

activity\_main.xml

<?*xml version*="1.0" *encoding*="utf-8"?>  
<LinearLayout  
 *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"  
 *android:orientation*="vertical"  
 *android:padding*="10dp"  
 *tools:context*=".MainActivity">  
  
 <TextView  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="To:"  
 *android:textAppearance*="@style/TextAppearance.AppCompat.Large"/>  
 <EditText  
 *android:id*="@+id/edit\_text\_to"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:inputType*="textEmailAddress"/>  
  
  
 <TextView  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Subject:"  
 *android:textAppearance*="@style/TextAppearance.AppCompat.Large"/>  
 <EditText  
 *android:id*="@+id/edit\_text\_subject"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:inputType*="textEmailSubject"/>  
  
 <TextView  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Message"  
 *android:textAppearance*="@style/TextAppearance.AppCompat.Large"/>  
 <EditText  
 *android:id*="@+id/edit\_text\_message"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:lines*="10"  
 *android:gravity*="start|top"/>  
  
 <Button  
 *android:id*="@+id/button\_send"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="send"/>  
  
</LinearLayout>

MainActivity.java

*package* com.example.slipno5;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
*import* android.content.Intent;  
*import* android.net.Uri;  
*import* android.os.Bundle;  
*import* android.view.View;  
*import* android.widget.Button;  
*import* android.widget.EditText;  
  
*public class* MainActivity *extends* AppCompatActivity {  
 *private* EditText mEditTextTo;  
 *private* EditText mEditTextSubject;  
  
 *private* EditText mEditTextMessage;  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 mEditTextTo=findViewById(R.id.*edit\_text\_to*);  
 mEditTextSubject=findViewById(R.id.*edit\_text\_subject*);  
 mEditTextMessage=findViewById(R.id.*edit\_text\_message*);  
  
 Button buttonSend = findViewById(R.id.*button\_send*);  
  
 buttonSend.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View view) {  
  
 sendMail();  
  
 }  
 });  
  
 }  
 *private void* sendMail(){  
 String recipientList=mEditTextTo.getText().toString();  
 String[] recipients =recipientList.split(",");  
 *//example@gmail.com, example2@gmail.com* String subject =mEditTextSubject.getText().toString();  
 String message =mEditTextMessage.getText().toString();  
  
 *//here now important part start here* Intent intent =*new* Intent(Intent.***ACTION\_SEND***);  
 intent.putExtra(Intent.***EXTRA\_EMAIL***,recipients);  
 intent.putExtra(Intent.***EXTRA\_SUBJECT***,subject);  
 intent.putExtra(Intent.***EXTRA\_TEXT***,message);  
 *//here email client* intent.setType("message/rfc822");  
 startActivity(Intent.*createChooser*(intent,"Choose an email client"));  
  
 *//this below part for attachment  
  
 // Uri attachmentUri = Uri.parse("file:///storage/emulated/0/Download/myfile.pdf");  
 // intent.putExtra(Intent.EXTRA\_STREAM, attachmentUri);  
  
 //startActivity(Intent.createChooser(intent, "Send email..."));* }  
}