Practical 10

Mobile Application Development

Question 1. Write a program to create a login form for a social networking site.

```
MainActivity.java
package com.example.practical10;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
  Button b:
  EditText uname, pass;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    b = findViewById(R.id.loginbtn);
    uname = findViewById(R.id.username);
    pass = findViewById(R.id.pass);
    View.OnClickListener cl= new View.OnClickListener() {
      @Override
      public void onClick(View view) {
        String user = uname.getText().toString();
        String pw = pass.getText().toString();
        if (user.equals("admin") && pw.equals("Admin"))
          Toast.makeText(MainActivity.this, "Login successful",
Toast.LENGTH LONG).show();
        else
          Toast.makeText(MainActivity.this, "Invalid id or password",
Toast.LENGTH LONG).show();
      }
    };
    b.setOnClickListener(cl);
  }
}
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">
<TableLayout
  android:layout_width="match_parent"
  android:layout height="match parent"
  android:layout_marginTop="100dp">
  <TableRow
    android:layout width="match parent"
    android:layout height="match parent"
    android:layout marginLeft="20dp"
   >
    <TextView
      android:id="@+id/textView1"
      android:layout width="79dp"
      android:layout height="wrap content"
      android:text="Username:" />
    <EditText
      android:id="@+id/username"
      android:layout width="187dp"
      android:layout height="wrap content"
      android:layout marginLeft="20dp"
      android:hint="Enter username here" />
  </TableRow>
  <TableRow
    android:layout_width="match_parent"
    android:layout height="match parent"
    android:layout_marginLeft="20dp"
    >
    <TextView
      android:id="@+id/TextView2"
      android:layout width="79dp"
      android:layout height="wrap content"
      android:text="Password:" />
    <EditText
      android:id="@+id/pass"
      android:layout_width="187dp"
      android:layout height="wrap content"
      android:layout_marginLeft="20dp"
      android:hint="Enter password here"
      android:password="true"/>
  </TableRow>
  <TableRow
    android:layout width="match parent"
```

```
android:layout_height="match_parent"
      android:layout marginLeft="20dp"
      android:layout_marginTop="20dp">
      <Button
        android:id="@+id/loginbtn"
        android:layout width="163dp"
        android:layout_height="match_parent"
        android:layout_column="1"
        android:text="Login"
        android:layout_marginLeft="25dp"
        android:layout_marginRight="50dp"/>
    </TableRow>
  </TableLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
Output
2:18 💠 🖸 🕍 💗 🔹
 Practical 10
 Username:
          admin
 Password:
```

LOGIN

Login successful

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