### MOBILE APPLICATION DEVELOPMENT

### LAB-4

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### **LOGIN APPLICATION**

#### **JAVA CODE:**

## Mainactivity.java:

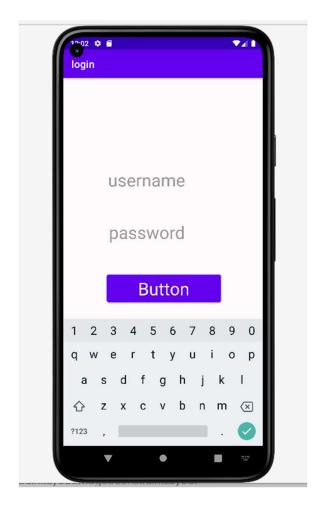
```
package com.example.login;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        final EditText e1 = (EditText) findViewById(R.id.et1);
        final EditText e2 = (EditText) findViewById(R.id.et2);
        Button b1=(Button)findViewById(R.id.b1);
        b1.setOnClickListener(new View.OnClickListener() {
            public void onClick(View v) {
                if(
                     (
                             "admin".equals(e1.getText().toString())
&&"test".equals(e2.getText().toString())
                             "ADMIN".equals(e1.getText().toString()) &&
                                     "TEST".equals(e2.getText().toString())
                    Toast.makeText(getApplicationContext(), "SUCESSFUL
LOGIN"
                             , Toast. LENGTH SHORT) . show();
                else {
                         Toast.makeText(getApplicationContext(),"INVALID
LOGIN", Toast. LENGTH SHORT) . show();
        });
```

#### XML CODE:

## Activity\_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
    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:background="#FCFAFA"
    tools:context=".MainActivity">
    <EditText
        android:id="@+id/et1"
        android:layout width="225dp"
        android:layout height="66dp"
        android:autoText="false"
        android:backgroundTint="#00EBE3E3"
        android:ems="10"
        android:hint="username"
        android:inputType="textPersonName"
        android: textAppearance="@style/TextAppearance.AppCompat.Display1"
        app:layout_constraintBottom_toTopOf="@+id/et2"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout constraintStart toStartOf="parent"
        app:layout constraintTop toTopOf="parent"
        app:layout constraintVertical bias="0.822" />
    <EditText
        android:id="@+id/et2"
        android:layout width="223dp"
        android:layout_height="67dp"
        android:backgroundTint="#00DBCFCF"
        android:ems="10"
        android:hint="password"
        android:inputType="textPassword"
        android:textAppearance="@style/TextAppearance.AppCompat.Display1"
        app:layout constraintBottom toBottomOf="parent"
        app:layout constraintEnd toEndOf="parent"
        app:layout constraintHorizontal bias="0.505"
        app:layout constraintStart toStartOf="parent"
        app:layout constraintTop toTopOf="parent"
        app:layout constraintVertical bias="0.412" />
    <Button
        android:id="@+id/b1"
        android:layout width="225dp"
        android:layout height="66dp"
        android:text="Button"
        android: textAppearance="@style/TextAppearance.AppCompat.Display1"
        app:layout constraintBottom toBottomOf="parent"
        app:layout constraintEnd toEndOf="parent"
        app:layout constraintHorizontal bias="0.51"
        app:layout_constraintStart_toStartOf="parent"
        app:layout constraintTop toBottomOf="@+id/et2"
        app:layout constraintVertical bias="0.135" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

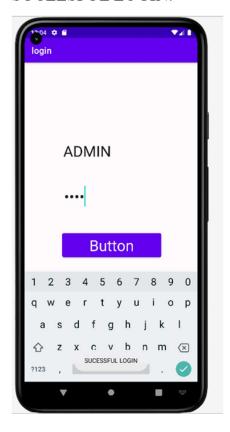
#### **OUTPUT:**



# INVALID:



# SUCEESFUL LOGIN:



# **SUBMITTED BY:**

DASARI SRIKANTH-20BCE7076