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## **Experiment No.: 1**

### **Aim**

Design a Login Form with username and password using Linear Layout and toast valid credentials

### **CO1**

Design and develop user interfaces for mobile apps using basic building blocks, UI components and application structure using Emulator

### **Procedure**

#### 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:background="#CFB1FA"
    tools:context=".MainActivity">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/signin"
        android:text="Sign in"
        android:textColor="@color/white"
        android:textSize="35dp"
        android:textStyle="bold"
```

---

```
android:layout_marginLeft="100dp"
```

```
android:layout_margin="70dp"
```

```
android:gravity="center"/>
```

```
<EditText
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:id="@+id/username"
```

```
    android:layout_below="@id/signin"
```

```
    android:layout_marginLeft="100dp"
```

```
    android:background="#80ffffff"
```

```
    android:hint="user name"
```

```
    android:textColorHint="@color/black"
```

```
    android:textColor="@color/black"
```

```
    android:layout_margin="10dp"
```

```
    android:padding="20dp"
```

```
    android:drawableLeft="@drawable/ic_baseline_emoji_emotions_24"
```

```
    android:drawablePadding="20dp"/>
```

```
<EditText
```

```
    android:layout_width="match_parent"
```

```
    android:layout_height="wrap_content"
```

```
    android:id="@+id/password"
```

```
    android:layout_below="@id/username"
```

```
    android:background="#80ffffff"
```

```
    android:hint="password"
```

```
    android:layout_marginLeft="100dp"
```

```
    android:textColorHint="@color/black"
```

```
    android:textColor="@color/black"
```

```
    android:layout_margin="10dp"
```

```
        android:padding="20dp"
        android:drawableLeft="@drawable/ic_baseline_admin_panel_settings_24"
        android:drawablePadding="20dp"/>
<android.support.v7.widget.AppCompatButton
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/submit"
    android:layout_below="@+id/password"
    android:text="LOGIN"
    android:backgroundTint="@color/white"
    android:layout_centerHorizontal="true"
    android:layout_marginLeft="150dp"/>
</LinearLayout>
```

### MainActivity.java

```
package com.example.login;

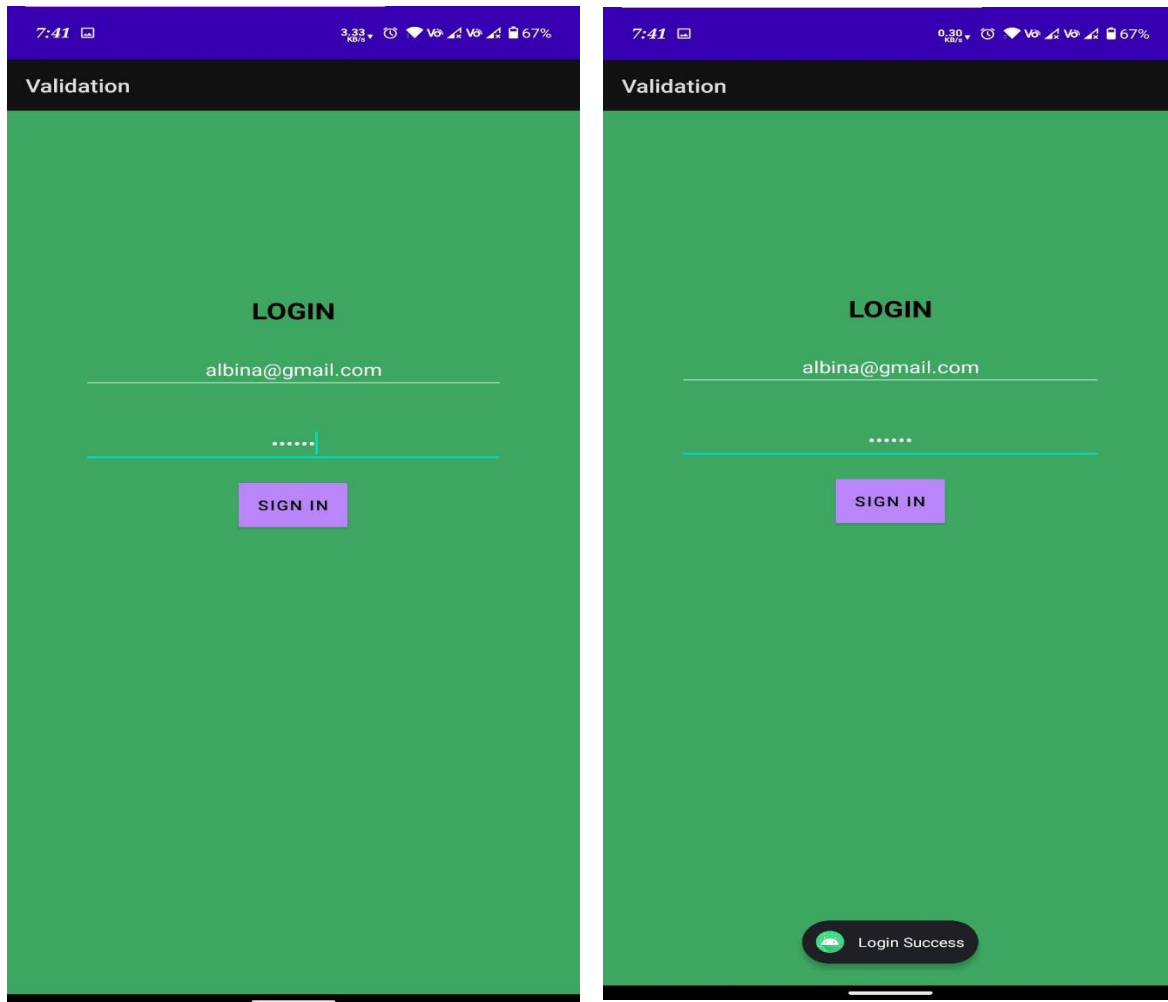
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
import java.util.logging.Logger;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        EditText et1 = (EditText) findViewById(R.id.username);
```

```
EditText et2 = (EditText) findViewById(R.id.password);  
Button btn = (Button) findViewById(R.id.submit);  
btn.setOnClickListener(view -> {  
    String uname =et1.getText().toString();  
    String pswd =et2.getText().toString();  
    if(uname.equals("albina") && pswd.equals("albina"))  
    {  
        Toast.makeText(this,"Logged in",Toast.LENGTH_SHORT).show();  
    }  
    else  
    {  
        Toast.makeText(this,"invalid username or  
password",Toast.LENGTH_SHORT).show();  
    }  
});  
}  
}
```

## Output Screenshot



## Result

The program was executed and the result was successfully obtained. Thus CO1 was obtained.