

## Experiment no: 9

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Roll No: 41

Div: A

Title: To create login form and alert box Using AlertDialog

### XML FILE

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="#E490F2"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/editTextText"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="43dp"
        android:layout_marginTop="73dp"
        android:ems="10"
        android:inputType="text"
        android:text="Username"
        android:textStyle="bold" />

    <EditText
        android:id="@+id/editTextText2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="41dp"
        android:layout_marginTop="186dp"
        android:ems="10"
        android:inputType="text"
        android:text="Password"
        android:textStyle="bold" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```
        android:layout_alignParentStart="true"
        android:layout_alignParentTop="true"
        android:layout_marginStart="76dp"
        android:layout_marginTop="327dp"
        android:text="Login"
        android:textStyle="bold" />

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_alignParentEnd="true"
        android:layout_marginTop="328dp"
        android:layout_marginEnd="100dp"
        android:text="Reset"
        android:textStyle="bold" />
</RelativeLayout>
```

### JAVA FILE

```
package com.example.myapplication;

import android.app.AlertDialog; import
android.content.DialogInterface; import
android.os.Bundle; import
android.view.View; import
android.widget.Button; import
android.widget.EditText;
import android.widget.Toast;

import androidx.activity.EdgeToEdge; import
androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets; import
androidx.core.view.ViewCompat; import
androidx.core.view.WindowInsetsCompat;

public class MainActivity extends
AppCompatActivity {

    EditText e1,e2;
    Button b1,b2;
    AlertDialog.Builder b;
    String s1,s2;
    int c=3;

    @Override
```

```

        protected void onCreate(Bundle
savedInstanceState) {
super.onCreate(savedInstanceState);
EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);

ViewCompat.setOnApplyWindowInsetsListene
r(findViewById(R.id.main), (v, insets) -> {
Insets systemBars =
insets.getInsets(WindowInsetsCompat.Type.sy
stemBars());
        v.setPadding(systemBars.left,
systemBars.top, systemBars.right,
systemBars.bottom);
        return insets;
});

        e1=findViewById(R.id.editTextText);
e2=findViewById(R.id.editTextText2);
b1=findViewById(R.id.button);
        b2=findViewById(R.id.button2);

        b=new
AlertDialog.Builder(MainActivity.this);

        b1.setOnClickListener(new
View.OnClickListener() {
@Override      public void
onClick(View v) {
s1=e1.getText().toString();
s2=e2.getText().toString();

        if(s1.equals("admin") &&
s2.equals("admin"))
        {
                Toast.makeText(MainActivity.this,
"Login Successful",
Toast.LENGTH_SHORT).show();
        }
else
        {
                Toast.makeText(MainActivity.this,
"Login Unsuccessful",
Toast.LENGTH_SHORT).show();
                c=c-1;

if(c==0)
{

```

```

        b.setIcon(R.drawable.img);
        b.setTitle("Alert");
        b.setMessage("please enter valid
password and username");

        b.setPositiveButton("OK", new
DialogInterface.OnClickListener() {
@Override

public void
onClick(DialogInterface dialog, int which) {
                dialog.cancel();
        }
});

        b.setNegativeButton("Cancel",
new DialogInterface.OnClickListener() {
@Override

public void
onClick(DialogInterface dialog, int which) {
                dialog.cancel();
        }
});

        AlertDialog alert=b.create();
alert.show();

        b1.setEnabled(false);

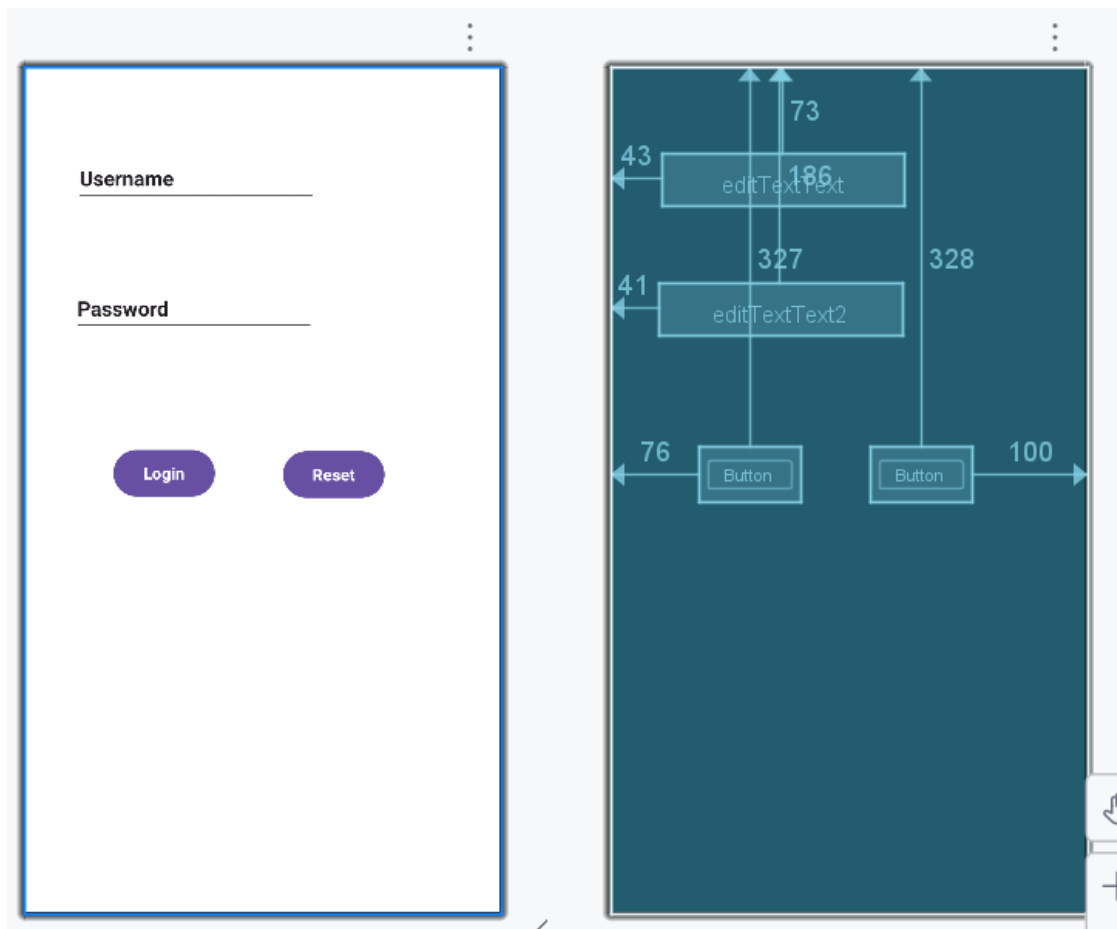
        }

        }

        });

        b2.setOnClickListener(new
View.OnClickListener() {
@Override      public void
onClick(View v) {
e1.setText(null);
e2.setText(null);
                b1.setEnabled(true);
c=3;
        }
        });
    }
}

```



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Login

Reset



Login Unsuccessful

