

## Program No : 1

**Aim :** Program to develop the android mobile application which consist of GUI components for Login Page creation.

### XML Code

```
<?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">

    <EditText
        android:id="@+id/editTextTextPassword"
        android:layout_width="203dp"
        android:layout_height="44dp"
        android:layout_marginBottom="28dp"
        android:ems="10"
        android:hint = "Password"
        android:inputType="textPassword"
        app:layout_constraintBottom_toTopOf="@+id/button"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent" />

    <Button
        android:id="@+id/button"
        android:layout_width="203dp"
        android:layout_height="44dp"
        android:layout_marginBottom="232dp"
        android:text="LOGIN"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.514"
        app:layout_constraintStart_toStartOf="parent" />

    <EditText
        android:id="@+id/editTextTextPersonName"
        android:layout_width="203dp"
        android:layout_height="44dp"
        android:ems="10"
        android:inputType="textPersonName"
        android:hint = "Username"
        app:layout_constraintBottom_toTopOf="@+id/editTextTextPassword"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```

        app:layout_constraintVertical_bias="0.863" />
</androidx.constraintlayout.widget.ConstraintLayout>

```

## Java Code

```

package com.example.login;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}

```

## Output



Username

asifka@gmail.com

Password

\*\*\*\*\*

LOGIN

LOGIN



## Program No : 2

**Aim :** Program to display the content of EditText in TextView on button click.

### XML Code

```
<?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">

    <TextView
        android:id="@+id/textView"
        android:layout_width="216dp"
        android:layout_height="43dp"
        android:layout_marginBottom="40dp"
        app:layout_constraintBottom_toTopOf="@+id/button"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent" />

    <Button
        android:id="@+id/button"
        android:layout_width="216dp"
        android:layout_height="43dp"
        android:layout_marginBottom="308dp"
        android:text="Submit"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent" />

    <EditText
        android:id="@+id/editTextTextPersonName"
        android:layout_width="216dp"
        android:layout_height="43dp"
        android:ems="10"
        android:hint="Enter a Text"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toTopOf="@+id/textView"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.472"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.876" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

## Java Code

```
package com.example.display;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

    Button b1;
    TextView tv;
    EditText t;
    String str;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1=(Button) findViewById(R.id.button);
        tv=(TextView) findViewById(R.id.textView);
        t=(EditText) findViewById(R.id.editTextTextPersonName);

        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                str=t.getText().toString();
                tv.setText(str);
            }
        });
    }
}
```

## Output



Enter a Text

SUBMIT

Hi How are you

Hi How are you

SUBMIT

