# Mobile Application Development

**NAME:- NADHIN ABINAV S A**

# Login Screen

**AIM:**

To design an android native application for a user login screen with username, password, reset password button, and a submit button.

**CODE:**

MainActivity.java: package com.example.loginscreen;

import

com.google.android.material.button.MaterialButton;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle; import

android.widget.TextView; import android.view.View;

import android.widget.Button; import

android.widget.TextView; import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override protected void onCreate(Bundle

savedInstanceState) { super.onCreate(savedInstanceState);

   setContentView(R.layout.activity_main);
    TextView username=(TextView) findViewById(R.id.username); TextView

    password=(TextView) findViewById(R.id.password); MaterialButton

```java
        loginbtn = (MaterialButton) findViewById(R.id.loginbtn); //admin and

        admin loginbtn.setOnClickListener(new


        View.OnClickListener() {

            @Override public void onClick(View v) {

            if(username.getText().toString().equals("admin") &&

password.getText().toString().equals("admin")){

                //correct

                Toast.makeText(MainActivity.this,"LOGIN
SUCCESSFUL",Toast.LENGTH_SHORT).show();

            }else
                //incorrect

                Toast.makeText(MainActivity.this,"LOGIN FAILED
!!!",Toast.LENGTH_SHORT).show();

            }

        });

    }
}
```

Activity.xml:

```xml
<?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:layout_width="match_parent"

    android:layout_height="match_parent"

    android:background="@drawable/background"

    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/black"

        android:textSize="35dp"

        android:textStyle="bold"

        android:layout_margin="50dp"

        android:gravity="center"/>

    <EditText

        android:layout_width="match_parent"

        android:layout_height="wrap_content"

        android:id="@+id/username"

        android:layout_below="@id/signin"

        android:background="#30ffffff"

        android:hint="Username"

        android:textColorHint="@color/black"

        android:textColor="@color/black"

        android:layout_margin="10dp"

        android:padding="20dp"

        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="#30ffffff"

        android:hint="Password"

        android:textColorHint="@color/black"

        android:textColor="@color/black"

        android:layout_margin="10dp"

        android:padding="20dp"

        android:drawablePadding="20dp"

        android:inputType="textPassword"/>
```

```xml
<com.google.android.material.button.MaterialButton
    android:layout_width="wrap_content"
    android:layout_height="wrap_content" android:id="@+id/loginbtn"
    android:layout_below="@id/password" android:text="LOGIN"
    android:backgroundTint="@color/design_default_color_secondary

    " android:layout_centerHorizontal="true"
    android:layout_margin="20dp"
    />
<!-- <TextView-->
<!-- android:layout_width="wrap_content"-->
<!-- android:layout_height="wrap_content"-->
<!-- android:id="@+id/forgotpass"-->
<!-- android:layout_below="@id/loginbtn"-->
<!-- android:text="Forgot password?"-->
<!-- android:textColor="@color/white"-->
<!-- android:layout_centerHorizontal="true"-->
<!-- android:layout_margin="20dp"/>-->
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:id="@+id/others"
    android:layout_above="@id/socialicons"
    android:text="or sign in with"
    android:layout_centerHorizontal="true"/>
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:id="@+id/socialicons"
```
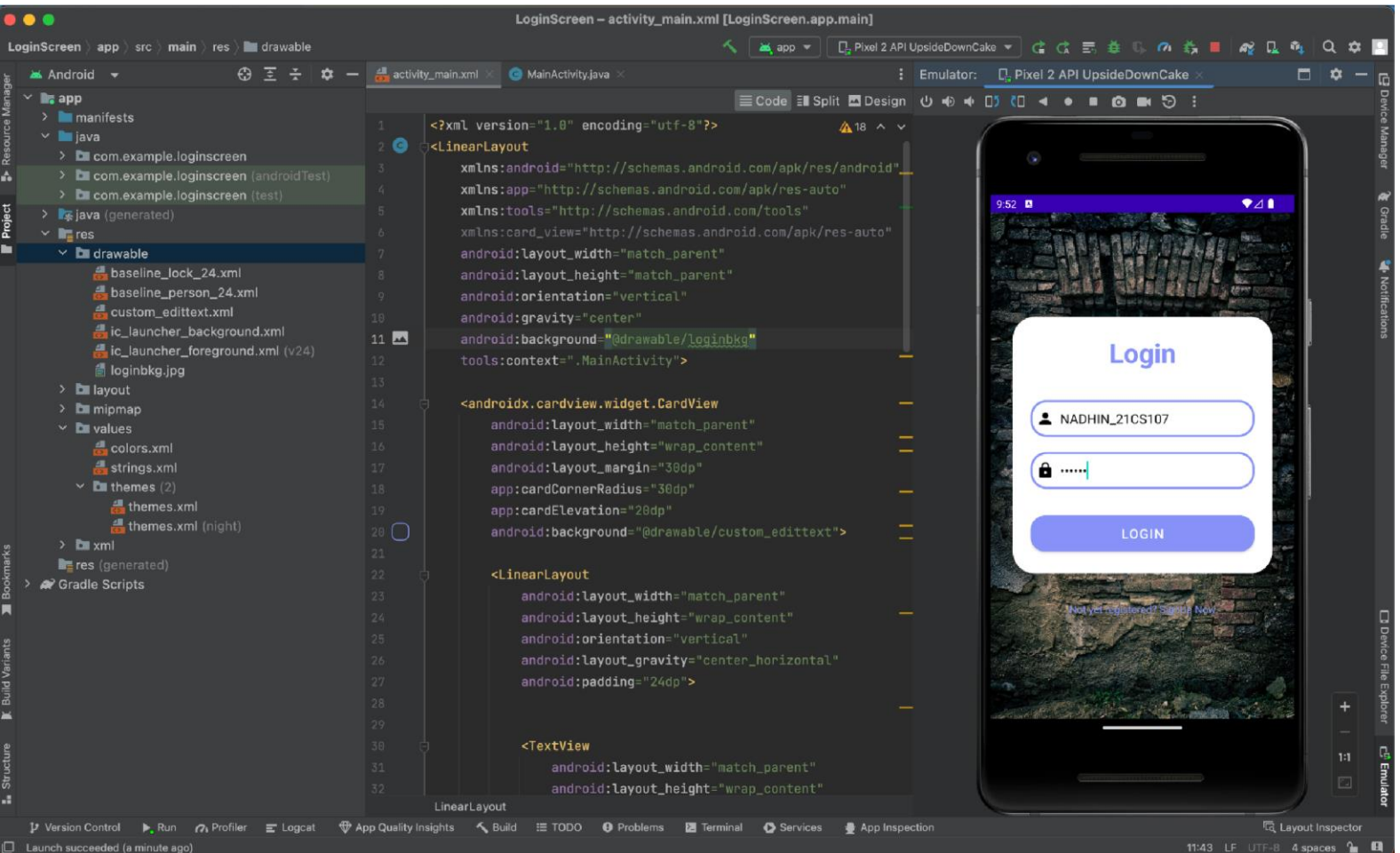
```xml
        android:layout_alignParentBottom="true"

        android:gravity="center">

    </LinearLayout>

</RelativeLayout>
```

**Output:-**

# Login

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**LOGIN**

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