

```

#ex11 reg lang
package com.example.ex11;

import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

import android.app.Activity;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.content.SharedPreferences;
import android.content.res.Configuration;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.QuickContactBadge;

import com.google.android.material.dialog.MaterialAlertDialogBuilder;

import java.util.Locale;

public class MainActivity extends AppCompatActivity {
    Button b1;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        loadLocale();
        ActionBar ac = getSupportActionBar();
        ac.setTitle(getResources().getString(R.string.app_name));
        setContentView(R.layout.activity_main);
        b1 = (Button) findViewById(R.id.button2);
        b1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                showChangeLanguage();
            }
        });
    }

    private void showChangeLanguage() {
        final String[] listItems={"Tamil","Hindi","Telugu"};
        AlertDialog.Builder m = new
            AlertDialog.Builder(MainActivity.this);
        m.setTitle("Choose Language");
        m.setSingleChoiceItems(listItems, -1,
            new DialogInterface.OnClickListener() {
                @Override
                public void onClick(DialogInterface dialogInterface, int i) {

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        if(i==0){
            setLocale("ta");
            recreate();
        }
        else if(i==1){
            setLocale("hi");
            recreate();
        }
        else if(i==2){
            setLocale("te");
            recreate();
        }
        dialogInterface.dismiss();

    }
});
AlertDialog mDialog = m.create();
mDialog.show();
}

private void setLocale(String lang) {
    Locale locale = new Locale(lang);
    Locale.setDefault(locale);
    Configuration c = new Configuration();
    c.locale = locale;

    getBaseContext().getResources().updateConfiguration(c,getBaseContext().getResources(
    ).getDisplayMetrics());
    SharedPreferences.Editor e =
    getSharedPreferences("settings",MODE_PRIVATE).edit();
    e.putString("Mylang",lang);
    e.apply();

}
public void loadLocale(){
    SharedPreferences pre = getSharedPreferences("settings",
    Activity.MODE_PRIVATE);
    String lang = pre.getString("Mylang","");
    setLocale(lang);
}
}
<?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">
<LinearLayout

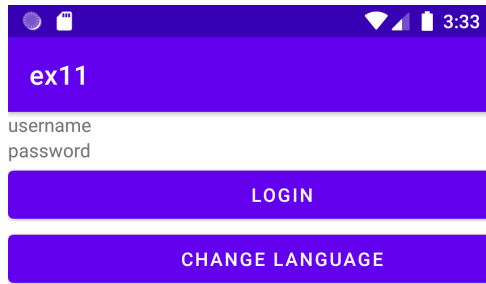
```

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        android:layout_width="409dp"
        android:layout_height="729dp"
        android:orientation="vertical"
        tools:layout_editor_absoluteX="1dp"
        tools:layout_editor_absoluteY="1dp">
        <TextView
            android:id="@+id/textView"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/uname" />
        <TextView
            android:id="@+id/textView2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/pwd" />
        <Button
            android:id="@+id/button"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/login" />
        <Button
            android:id="@+id/button2"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/cl" />
    </LinearLayout>
</androidx.constraintlayout.widget.ConstraintLayout>
<resources>
    <string name="app_name">ex11</string>
    <string name="uname">username</string>
    <string name="pwd">password</string>
    <string name="login">login</string>
    <string name="cl">change language</string>
</resources>
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string name="app_name">ex11</string>
    <string name="uname">उपयोगकर्ता नाम</string>
    <string name="pwd">पासवर्ड</string>
    <string name="login">लॉग इन</string>
    <string name="cl">भाषा बदलें</string>
</resources>
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <string name="app_name">ex11</string>
    <string name="uname">பயனர் பெயர்</string>
    <string name="pwd">கடவுச்சொல்</string>
    <string name="login">உள்நுழைய</string>
    <string name="cl">மொழியை மாற்றவும்</string>
</resources>

```

Output:

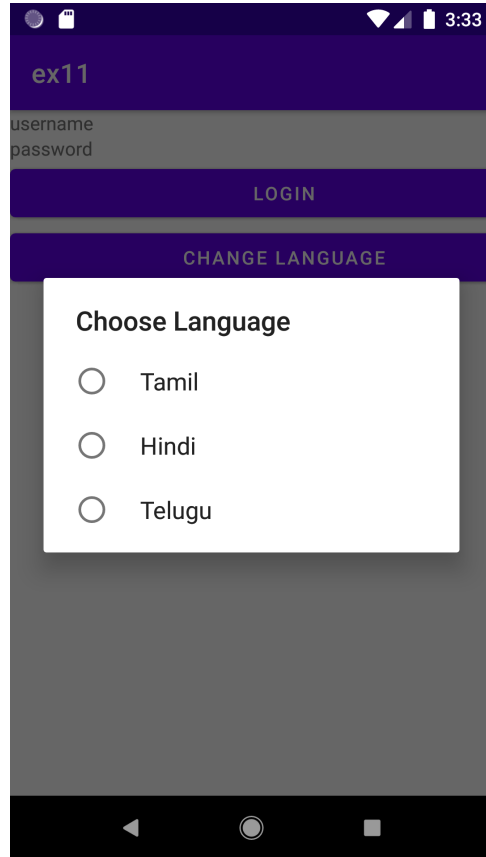


ex11

username
password

LOGIN

CHANGE LANGUAGE



ex11

username
password

LOGIN

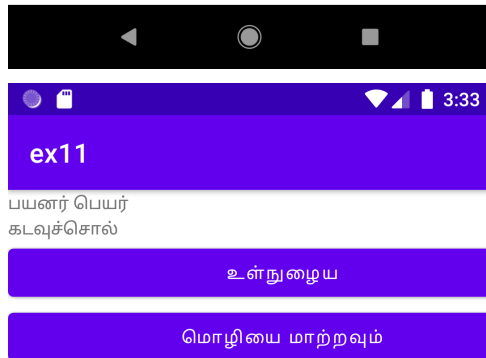
CHANGE LANGUAGE

Choose Language

☐ Tamil

☐ Hindi

☐ Telugu

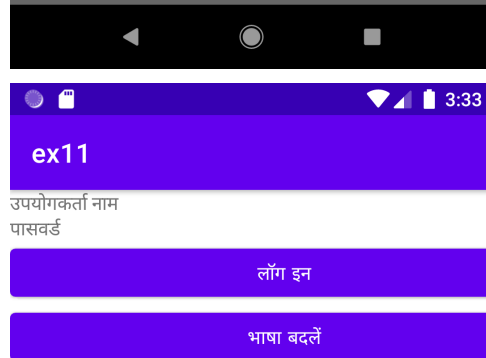


ex11

பயனர் பெயர்
கடவுச்சொல்

உள்நுழைய

மொழியை மாற்றவும்



ex11

उपयोगकर्ता नाम
पासवर्ड

लॉग इन

भाषा बदले