**This is .java coding**

**LOGIN:**

**package** com.example.samhita.myapplication1;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 **private static** EditText *user*;  
 **private static** EditText *password*;  
 **private static** Button *login*;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 login\_button();  
 }  
 **public void** login\_button() {  
 *user*=(EditText)findViewById(R.id.***user***);  
 *password*=(EditText)findViewById(R.id.***password***);  
 *login*=(Button)findViewById(R.id.***login***);  
  
 *login*.setOnClickListener(  
 **new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **if**(*user*.getText().toString().equals(**"samhita"**) &&  
 *password*.getText().toString().equals(**"omsai"**) ){  
 Toast.*makeText*(MainActivity.**this**,**"user and password is correct"**,Toast.***LENGTH\_SHORT***).show();  
 Intent intent=**new** Intent(**"com.example.samhita.myapplication1.user"**);  
 startActivity(intent);  
 }  
 **else**{  
 Toast.*makeText*(MainActivity.**this**,**"user and password is not correct"**,Toast.***LENGTH\_SHORT***).show();  
 }  
  
 }  
  
 @Override  
 **protected** Object clone() **throws** CloneNotSupportedException {  
 **return super**.clone();  
 }  
 }  
 );  
  
 }  
}

**USER:**

**package** com.example.samhita.myapplication1;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.Toast;  
  
**public class** user **extends** AppCompatActivity {  
 **private static** Button *admin*;  
 **private static** Button *applyleave*;  
 **private static** Button *substitutedclass*;  
 **private static** Button *settings*;  
 **private static** Button *logout*;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_user***);  
 admin\_button();  
 applyleave\_button();  
 substitutedclass\_button();  
 }  
 **public void** admin\_button(){  
 *admin*=(Button)findViewById(R.id.***admin***);  
  
  
 *admin*.setOnClickListener(  
 **new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 Toast.*makeText*(user.**this**, **"opening admin login"**, Toast.***LENGTH\_SHORT***).show();  
 Intent intent = **new** Intent(**"com.example.samhita.myapplication1.admin\_login"**);  
 startActivity(intent);  
 }  
  
 **protected** Object clone() **throws** CloneNotSupportedException {  
 **return super**.clone();  
 }  
 }  
 );  
  
 }  
 **public void** applyleave\_button(){  
 *applyleave*=(Button)findViewById(R.id.***apply\_leave***);  
  
  
 *applyleave*.setOnClickListener(  
 **new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View w) {  
 Toast.*makeText*(user.**this**, **"apply for leave"**, Toast.***LENGTH\_SHORT***).show();  
 Intent intent = **new** Intent(**"com.example.samhita.myapplication1.apply\_leave"**);  
 startActivity(intent);  
 }  
  
 **protected** Object clone() **throws** CloneNotSupportedException {  
 **return super**.clone();  
 }  
 }  
 );  
 }  
 **public void** substitutedclass\_button(){  
 *substitutedclass*=(Button)findViewById(R.id.***substituted\_classes***);  
  
  
 *substitutedclass*.setOnClickListener(  
 **new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View i) {  
 Toast.*makeText*(user.**this**, **"showing substituted classes"**, Toast.***LENGTH\_SHORT***).show();  
 Intent intent = **new** Intent(**"com.example.samhita.myapplication1.substituted\_class"**);  
 startActivity(intent);  
 }  
  
 **protected** Object clone() **throws** CloneNotSupportedException {  
 **return super**.clone();  
 }  
 }  
 );  
 }  
}

**ADMIN LOGIN:**

**package** com.example.samhita.myapplication1;  
  
**import** android.app.Activity;  
**import** android.content.Intent;  
*//import android.support.v7.app.AppCompatActivity;***import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
  
**public class** admin\_login **extends** Activity {  
 **private static** EditText *username*;  
 **private static** EditText *passwordd*;  
 **private static** Button *loginn*;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_admin\_login***);  
 login1\_button();  
 }  
 **public void** login1\_button(){  
 *username*=(EditText)findViewById(R.id.***username***);  
 *passwordd*=(EditText)findViewById(R.id.***password1***);  
 *loginn*=(Button)findViewById(R.id.***login1***);  
  
  
 *loginn*.setOnClickListener(  
 **new** View.OnClickListener(){  
 @Override  
 **public void** onClick(View v){  
 **if**(*username*.getText().toString().equals(**"Bhavna"**) &&  
 *passwordd*.getText().toString().equals(**"sairam"**) ){  
 Toast.*makeText*(admin\_login.**this**,**"login succesfull"**,Toast.***LENGTH\_SHORT***).show();  
 Intent intent=**new** Intent(**"com.example.samhita.myapplication1.substitution"**);  
 startActivity(intent);  
 }  
 **else**{  
 Toast.*makeText*(admin\_login.**this**,**"username and password is not correct"**,Toast.***LENGTH\_SHORT***).show();  
 }  
 }  
 **protected** Object clone() **throws** CloneNotSupportedException {  
 **return super**.clone();  
 }  
 }  
 );  
 }  
}

**APPLY LEAVE:**

**package** com.example.samhita.myapplication1;  
  
*//import android.support.v7.app.AppCompatActivity;***import** android.app.Activity;  
**import** android.os.Bundle;  
  
**public class** apply\_leave **extends** Activity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_apply\_leave***);  
 }  
}

**SUBSTITUTED CLASSES:**

**package** com.example.samhita.myapplication1;  
  
*//import android.support.v7.app.AppCompatActivity;***import** android.app.Activity;  
**import** android.os.Bundle;  
  
**public class** substituted\_class **extends** Activity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_substituted\_class***);  
 }  
}

**SUBSTITUTION: (**this will come under admin login**)**

**package** com.example.samhita.myapplication1;  
  
*//import android.support.v7.app.AppCompatActivity;***import** android.app.Activity;  
**import** android.os.Bundle;  
  
**public class** substitution **extends** Activity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_substitution***);  
 }  
}

Design coding:

**LOGIN:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.samhita.myapplication1.MainActivity"**>  
  
 <**LinearLayout  
 android:gravity="center\_vertical"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
 <**ImageView  
 android:layout\_gravity="center"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:src="@drawable/sub"**/>  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="@string/user\_text"  
 android:id="@+id/user"** />  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:hint="@string/password\_text"  
 android:layout\_marginTop="15dp"  
 android:id="@+id/password"** />  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="login"  
 android:text="@string/button\_login"  
 android:layout\_marginTop="15dp"  
 android:id="@+id/login"** />  
 </**LinearLayout**>  
</**RelativeLayout**>

**USER:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.samhita.myapplication1.user"**>  
<**LinearLayout  
 android:gravity="center\_vertical"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/button\_admin"  
 android:onClick="admin"  
 android:layout\_marginTop="15dp"  
 android:id="@+id/admin"** />  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/button\_applyleave"  
 android:onClick="applyleave"  
 android:layout\_marginTop="15dp"  
 android:id="@+id/apply\_leave"** />  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/button\_substitutedclasses"  
 android:onClick="substitutedclasses"  
 android:layout\_marginTop="15dp"  
 android:id="@+id/substituted\_classes"** />  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/button\_settings"  
 android:onClick="settings"  
 android:layout\_marginTop="15dp"  
 android:id="@+id/settings"** />  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/button\_logout"  
 android:onClick="logout"  
 android:layout\_marginTop="15dp"  
 android:id="@+id/logout"** />  
</**LinearLayout**>  
</**RelativeLayout**>

**ADMIN LOGIN:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.samhita.myapplication1.admin\_login"**>  
  
<**LinearLayout  
 android:gravity="center\_vertical"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="@string/username\_text"  
 android:layout\_marginTop="15dp"  
 android:id="@+id/username"** />  
 <**EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:inputType="textPassword"  
 android:hint="@string/passwordd\_text"  
 android:layout\_marginTop="15dp"  
 android:id="@+id/password1"** />  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="login"  
 android:text="@string/button\_login1"  
 android:layout\_marginTop="15dp"  
 android:id="@+id/login1"** />  
  
  
</**LinearLayout**>  
</**RelativeLayout**>

**APPLY LEAVE:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.samhita.myapplication1.apply\_leave"**>  
  
<**LinearLayout  
 android:gravity="center\_vertical"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Apply Leave:"  
 android:textColor="#ff022e"  
 android:textSize="30sp"**/>  
   
</**LinearLayout**>  
</**RelativeLayout**>

**SUBSTITUTED CLASSES:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.samhita.myapplication1.substituted\_class"**>  
<**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
</**LinearLayout**>  
</**RelativeLayout**>

**SUBSTITUTION: (**this will come under admin login**)**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 tools:context="com.example.samhita.myapplication1.substitution"**>  
<**LinearLayout  
 android:gravity="center\_vertical"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/teachers\_text"  
 android:textSize="30sp"**/>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/onleave\_text"  
 android:textSize="20sp"  
 android:layout\_marginTop="40dp"**/>  
 <**ListView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="15dp"** >  
  
 </**ListView**>  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/add\_button"  
 android:onClick="add"  
 android:layout\_marginTop="10dp"**/>  
 <**Spinner  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="4"  
 android:spinnerMode="dropdown"  
 android:id="@+id/faculty"**>  
  
 </**Spinner**>  
  
</**LinearLayout**>  
</**RelativeLayout**>