## PROGRAM

**Activity\_home.xml**

<?xml version="1.0" encoding="utf-8"?>

<android.support.constraint.ConstraintLayout xmlns:android="[http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android) xmlns:app="[http://schemas.android.com/apk/res-auto"](http://schemas.android.com/apk/res-auto) xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".home">

<TextView android:id="@+id/textView" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="HOME" tools:layout\_editor\_absoluteX="163dp"

tools:layout\_editor\_absoluteY="40dp" />

</android.support.constraint.ConstraintLayout>

## Activity\_Main.xml

<?xml version="1.0" encoding="utf-8"?>

<android.support.constraint.ConstraintLayout xmlns:android="[http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android) xmlns:app="[http://schemas.android.com/apk/res-auto"](http://schemas.android.com/apk/res-auto) xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<Button android:id="@+id/btn1" android:layout\_width="100dp" android:layout\_height="51dp"

android:layout\_marginTop="24dp" android:onClick="register" android:text="Register" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/btn2" />

<Button android:id="@+id/btn2" android:layout\_width="79dp"

android:layout\_height="wrap\_content" android:layout\_marginTop="24dp" android:layout\_marginBottom="24dp" android:onClick="login" android:text="Login"

app:layout\_constraintBottom\_toTopOf="@+id/btn1" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/edpass" />

<EditText android:id="@+id/eduname" android:layout\_width="0dp" android:layout\_height="wrap\_content" android:layout\_marginTop="24dp" android:ems="10" android:hint="username" android:inputType="textPersonName"

app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" />

<EditText android:id="@+id/edpass" android:layout\_width="0dp"

android:layout\_height="wrap\_content" android:layout\_marginTop="24dp" android:ems="10" android:hint="password" android:inputType="textPersonName"

app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toBottomOf="@+id/eduname" />

</android.support.constraint.ConstraintLayout>

## activity\_register.xml

<?xml version="1.0" encoding="utf-8"?>

<android.support.constraint.ConstraintLayout xmlns:android="[http://schemas.android.com/apk/res/android"](http://schemas.android.com/apk/res/android) xmlns:app="[http://schemas.android.com/apk/res-auto"](http://schemas.android.com/apk/res-auto) xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools)

android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".register">

<EditText android:id="@+id/edtxt1" android:layout\_width="0dp"

android:layout\_height="wrap\_content" android:layout\_marginTop="24dp" android:layout\_marginBottom="24dp" android:ems="10" android:hint="Name" android:inputType="textPersonName"

app:layout\_constraintBottom\_toTopOf="@+id/edtxt2" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" />

<EditText android:id="@+id/edtxt2" android:layout\_width="0dp"

android:layout\_height="wrap\_content" android:layout\_marginTop="24dp" android:layout\_marginBottom="24dp" android:ems="10" android:hint="Address" android:inputType="textPersonName"

app:layout\_constraintBottom\_toTopOf="@+id/edtxt3" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toBottomOf="@+id/edtxt1" />

<EditText android:id="@+id/edtxt3"

android:layout\_width="0dp" android:layout\_height="wrap\_content" android:layout\_marginBottom="24dp" android:ems="10" android:hint="email" android:inputType="textPersonName"

app:layout\_constraintBottom\_toTopOf="@+id/edtxt4" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" />

<EditText android:id="@+id/edtxt4" android:layout\_width="0dp"

android:layout\_height="wrap\_content" android:layout\_marginTop="24dp" android:ems="10" android:hint="phone no" android:inputType="textPersonName"

app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toBottomOf="@+id/edtxt3" />

</android.support.constraint.ConstraintLayout>

## home.java

package com.example.sjcet.constlayout;

import android.support.v7.app.AppCompatActivity; import android.os.Bundle;

public class home extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_home);

}

}

## Main\_Activity.java

package com.example.sjcet.constlayout;

import android.content.Intent;

import android.support.v7.app.AppCompatActivity; import android.os.Bundle;

import android.view.View; import android.widget.EditText; import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

}

public void register(View view) {

Intent i = new Intent(MainActivity.this, register.class); startActivity(i);

}

public void login(View view) { EditText E1, E2;

E1 =(EditText) findViewById(R.id.eduname); E2 = (EditText) findViewById(R.id.edpass);

if ((E1.getText().toString().equals("admin")) && (E2.getText().toString().equals("admin")))

{

Intent i = new Intent(MainActivity.this,home.class); startActivity(i);

}

else

{

Toast.makeText(this, "Invalid username or password", Toast.LENGTH\_SHORT).show();

}

}

}

## Register.java

package com.example.sjcet.loginvali;

import android.support.v7.app.AppCompatActivity; import android.os.Bundle;

import android.view.View; import android.widget.EditText; import android.widget.Toast;

public class register extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_register);

}

public void rgstr(View view) { EditText E1,E2,E3,E4,E5;

E1 = (EditText) findViewById(R.id.edtxt1); E2 = (EditText) findViewById(R.id.edtxt2); E3 = (EditText) findViewById(R.id.edtxt3); E4 = (EditText) findViewById(R.id.edtxt4); E5 = (EditText) findViewById(R.id.edtxt5);

String MobilePattern = "[0-9]{10}";

if(E1.length() == 0) {

Toast.makeText(this, "Enter name", Toast.LENGTH\_SHORT).show();

}

else if(E2.length() == 0) {

Toast.makeText(this, "Enter Address", Toast.LENGTH\_SHORT).show();

}

else if(E3.length() == 0) {

Toast.makeText(this, "Enter Email", Toast.LENGTH\_SHORT).show();

}

else if(E4.length() == 0) {

Toast.makeText(this, "Enter phone no", Toast.LENGTH\_SHORT).show();

}

else if((E4.length() != 10) && (!E5.getText().toString().matches(MobilePattern)) ) { Toast.makeText(this, "enter valid phone number", Toast.LENGTH\_SHORT).show();

}

else if(E5.length() == 0) {

Toast.makeText(this, "Enter valid password", Toast.LENGTH\_SHORT).show();

}

else if(E5.length() < 8) {

Toast.makeText(this, "Password should be minimum 8 characters", Toast.LENGTH\_SHORT).show();

}

else{

Toast.makeText(this, "resgistered successfully", Toast.LENGTH\_SHORT).show();

}

}

}

**OUTPUT**

