**Ex-2 Develop an application that uses Layout Managers and Event Listeners**

**MainActivity.java**

package com.example.ex2;  
import android.arch.lifecycle.OnLifecycleEvent;  
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.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 EditText e;  
 EditText e2;  
 Button b;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 b=(Button)findViewById(R.id.*button*);  
 e=(EditText)findViewById(R.id.*editTextTextPersonName*);  
 e2=(EditText)findViewById(R.id.*editTextTextPassword*);  
 TextView t1=(TextView)findViewById(R.id.*textView5*);  
 t1.setTextSize(20);  
  
 b.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 String str=e.getText().toString();  
 String str2=e2.getText().toString();  
 Intent i=new Intent(MainActivity.this,MainActivity3.class);  
 i.putExtra("name",str);  
 i.putExtra("pass",str2);  
 startActivity(i);  
 Toast.*makeText*(getApplicationContext(),"Login successfully",Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

**acitivity\_main.xml**

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.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  
 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/textView5"  
 android:layout\_width="match\_parent"  
 android:layout\_height="36dp"  
 android:text="Layout and Event Listener" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="70dp"  
 android:autoText="false"  
 android:ems="10"  
 android:inputType="textPersonName"  
 android:text="username" />  
  
 <EditText  
 android:id="@+id/editTextTextPassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="62dp"  
 android:ems="10"  
 android:inputType="textPassword"  
 android:text="12345" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="submit" />  
 </LinearLayout>  
</android.support.constraint.ConstraintLayout>

**MainActivity3.java**

package com.example.ex2;  
import static com.example.ex2.R.id.*textView3*;  
import android.annotation.SuppressLint;  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.widget.TextView;  
  
public class MainActivity3 extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main3*);  
 TextView t1=(TextView)findViewById(R.id.*textView2*);  
 TextView t2=(TextView)findViewById(R.id.*textView3*);  
 t1.setTextSize(20);  
 t1.setTextSize(20);  
 Intent i=getIntent();  
 String str = i.getStringExtra("name");  
 String str2 = i.getStringExtra("pass");  
 t1.setText(str);  
 t2.setText(str2);  
  
 }  
}

**activity\_main3.xml**

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.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=".MainActivity3">  
  
 <LinearLayout  
 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/textView2"  
 android:layout\_width="match\_parent"  
 android:layout\_height="39dp"  
 android:text="TextView" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="match\_parent"  
 android:layout\_height="48dp"  
 android:text="TextView" />  
 </LinearLayout>  
</android.support.constraint.ConstraintLayout>

**Output:**

Layout 1 Layout 2

 