**TASK**

Login system with text watcher

**XML 1:**

*<?***xml version="1.0" encoding="utf-8"***?>* <**LinearLayout 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:layout\_marginTop="100dp"  
 android:orientation="vertical"  
 tools:context=".MainActivity"** >  
 <**TextView  
 android:id="@+id/Label"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:layout\_gravity="center\_horizontal"  
 android:text="Sign In"  
 android:textAppearance="?android:attr/textAppearanceLarge"  
 android:textColor="#51c149"** />  
 <**EditText  
 android:id="@+id/username"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:focusable="true"  
 android:hint="enter user name"  
 android:padding="10dp"  
 android:textColorHint="#bad6ef"** />  
 <**EditText  
 android:id="@+id/password"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="-2dp"  
 android:focusable="true"  
 android:hint="enter passward"  
 android:padding="10dp"  
 android:textColorHint="#bad6ef"** />  
 <**Button  
 android:id="@+id/btnSignIn"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="4dp"  
 android:padding="10dp"  
 android:onClick="login"  
 android:text="Log In" android:textAppearance="?android:attr/textAppearanceLarge"  
 android:textColor="#51c149"** />  
<**TextView  
 android:id="@+id/textinfo"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="30dp"  
 android:layout\_gravity="center\_horizontal"  
 android:text=""** />  
</**LinearLayout**>

**XML 2:**

*<?***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=".Main2Activity"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="131dp"  
 android:layout\_marginTop="276dp"  
 android:layout\_marginEnd="222dp"  
 android:layout\_marginBottom="436dp"  
 android:text="TextView"  
 android:textSize="30dp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
</**android.support.constraint.ConstraintLayout**>

**Java 1:**

**final** TextWatcher nameWatcher = **new** TextWatcher() {  
 **public void** beforeTextChanged(CharSequence s, **int** start, **int** count, **int** after) { }

**public void** onTextChanged(CharSequence s, **int** start, **int** before, **int** count) {  
 **pass**.setEnabled(**true**); }

**public void** afterTextChanged(Editable s) {  
 **if** (s.length() == 0) {  
 **pass**.setEnabled(**false**); } **else** {  
 **pass**.setEnabled(**true**); }  
 }  
 };  
  
 **final** TextWatcher passWatcher = **new** TextWatcher() {  
 @Override  
 **public void** beforeTextChanged(CharSequence s, **int** start, **int** count, **int** after) {  
  
 }  
  
 @Override  
 **public void** onTextChanged(CharSequence s, **int** start, **int** before, **int** count) {  
 **btn**.setEnabled(**true**);  
 }  
  
 @Override  
 **public void** afterTextChanged(Editable s) {  
 **if** (s.length() == 0) {  
 **btn**.setEnabled(**false**);  
 } **else** {  
 **btn**.setEnabled(**true**);  
 }  
 }  
 };  
 **name**.addTextChangedListener(nameWatcher);  
 **pass**.addTextChangedListener(passWatcher);  
  
  
 }  
 **public void** login(View v)  
 {  
 String u=**name**.getText().toString();  
 String p=**pass**.getText().toString();  
**try** {  
 **if** (u.equals(**"misbah"**) && p.equals(**"123"**)) {  
 Log.*i*(**"info"**, **"SUCCESS"**);  
 Intent i=**new** Intent(MainActivity.**this**,Main2Activity.**class**);  
 i.putExtra(**"m1"**, **"success Hello"**);  
 Toast.*makeText*(**this**, **"success"**, Toast.***LENGTH\_SHORT***).show();  
 startActivity(i);  
 } **else** {  
 **count**--;  
  
 *// Log.e(TAG,e.getMessage());* **info**.setText(**"attempts remaining"** + String.*valueOf*(**count**));  
 **if** (**count** == 0) {  
 **info**.setText(**"attempts == 0"**);  
 **btn**.setEnabled(**false**);  
 Intent i=**new** Intent(MainActivity.**this**,Main2Activity.**class**);  
 i.putExtra(**"m1"**, **"attempts are 0 \n login failed"**);  
 startActivity(i);  
 }  
 }  
  
}  
**catch** (Exception e)  
{  
 Log.*e*(***TAG***,e.getMessage());  
}

**JAVA 2:**

**tv**=(TextView)findViewById(R.id.***textView***);  
 Intent in=getIntent();  
 String msg1=in.getStringExtra(**"m1"**);

**tv**.setText(msg1.toString());

**OUTPUT**



