***TASK***

*Login system with text watcher*

***XML: MAIN ACTIVITY 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: MAIN ACTIVITY 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****>*

***MAIN ACTIVITY 1***

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

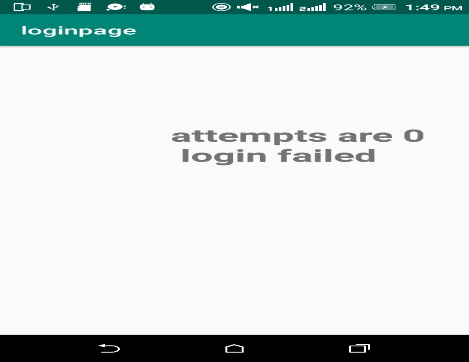
***public void*** *onTextChanged(CharSequence s,* ***int*** *start,* ***int*** *before,* ***int*** *count) {* ***pass****.setEnabled(****true****); }*

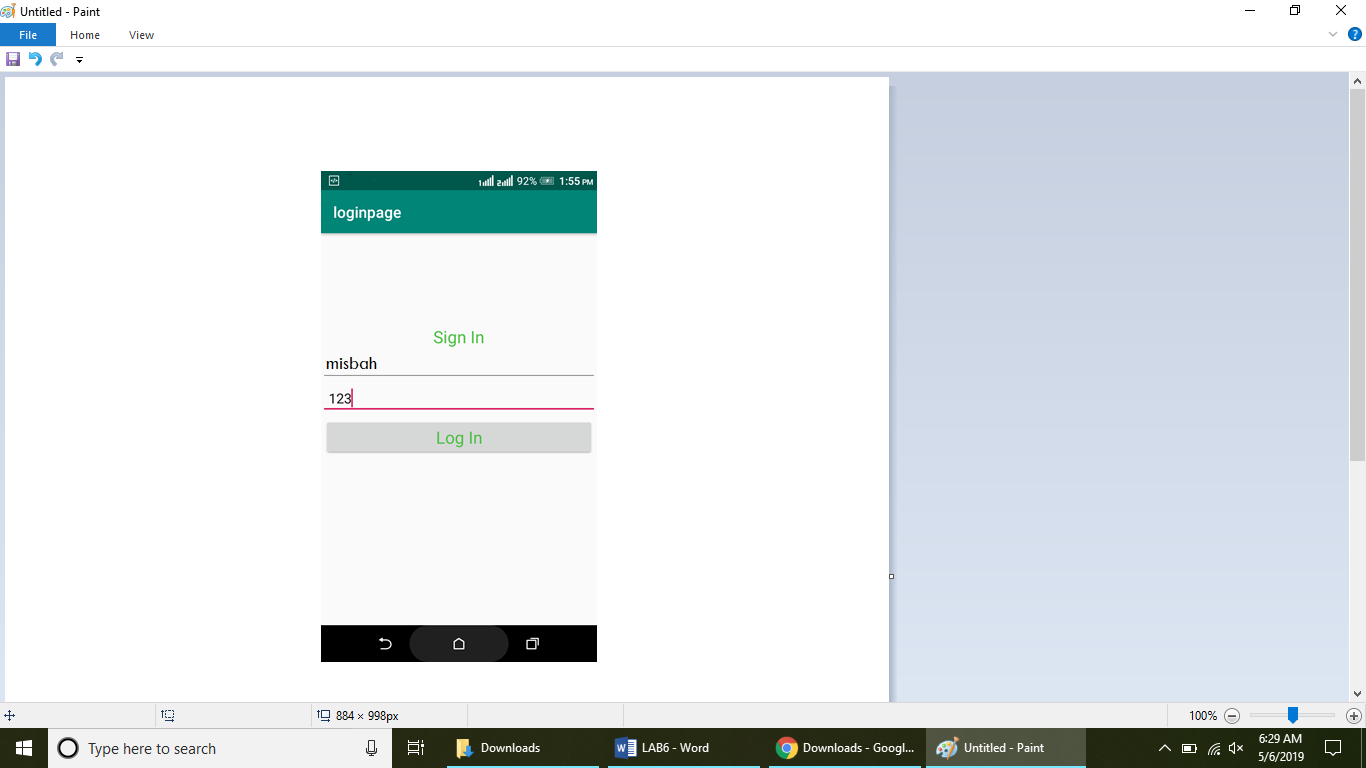
***public void*** *afterTextChanged(Editable s) {* ***if*** *(s.length() == 0) {* ***pass****.setEnabled(****false****); }* ***else*** *{* ***pass****.setEnabled(****true****); }  
 }  
 };* ***final*** *TextWatcher passWatcher =* ***new*** *TextWatcher() {  
 @Override* ***public void*** *beforeTextChanged(CharSequence 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());  
}*

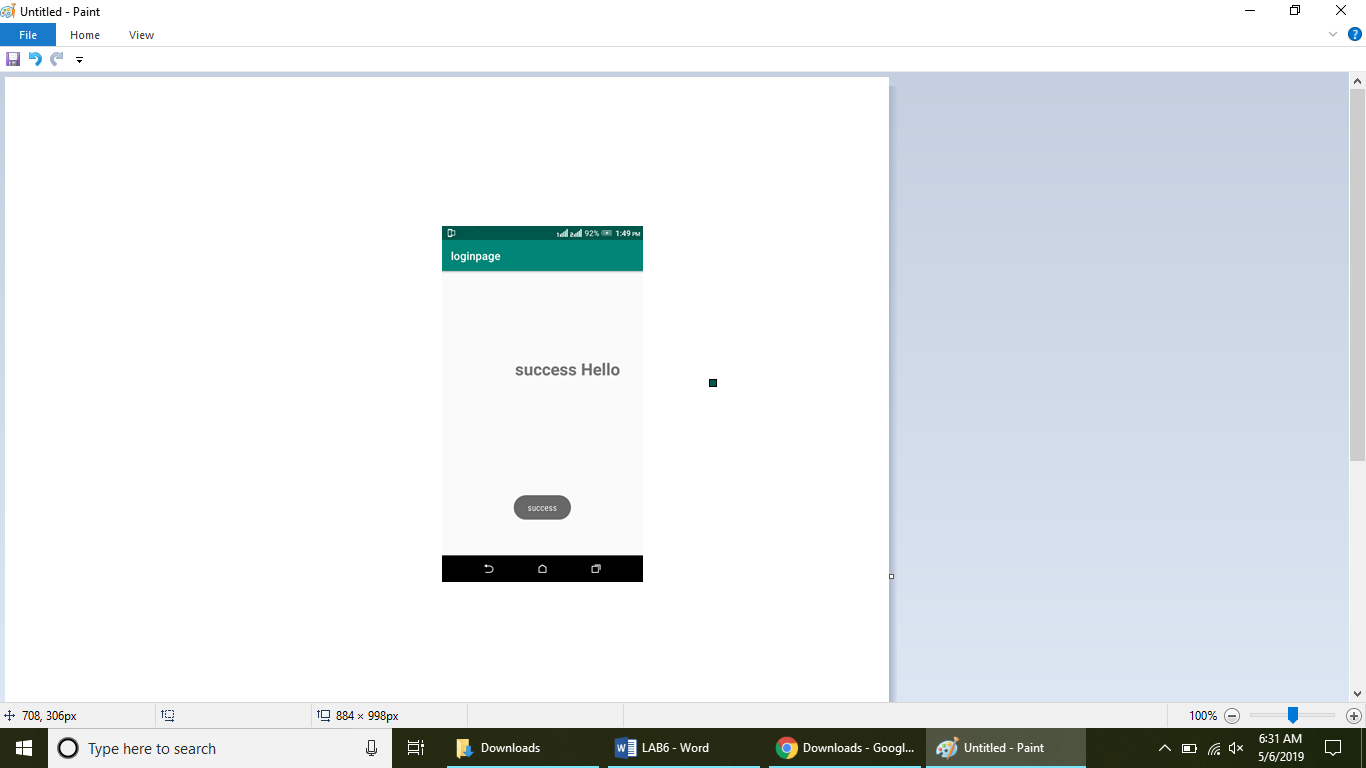
***MAIN ACTIVITY 2***

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

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

*****output:***

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