

ASSIGNMENT 1

XML: (activity_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">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!"
        android:textColor="@android:color/holo_red_light"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</android.support.constraint.ConstraintLayout>
```

JAVA FILE:

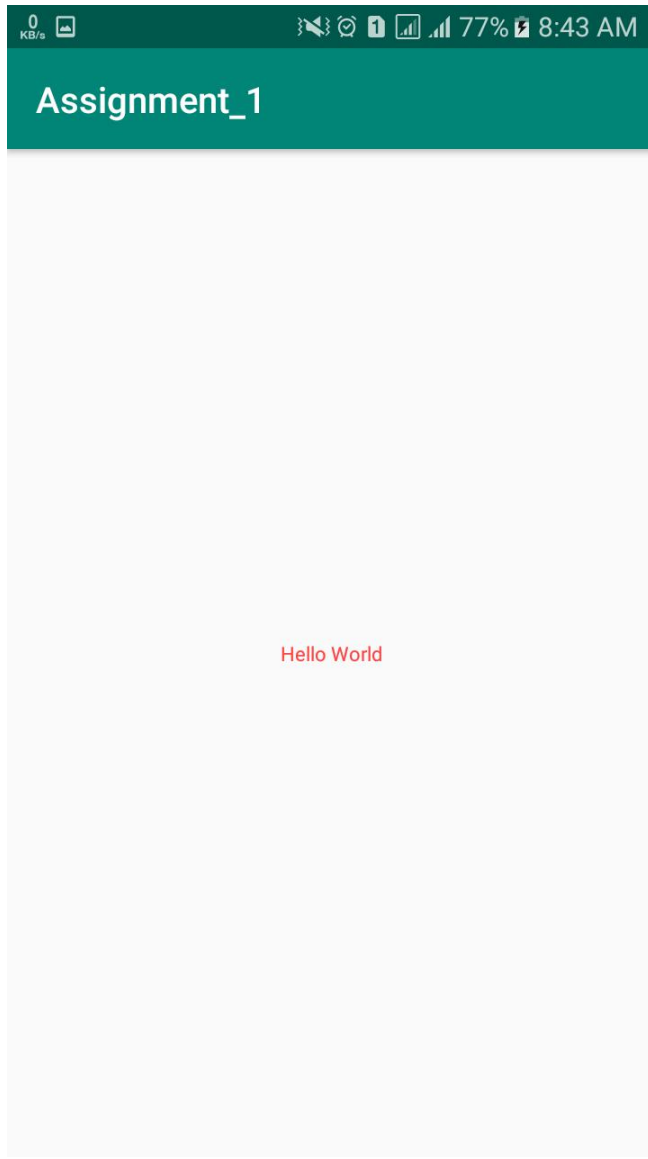
```
package com.example.assignment_1;

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

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

Screenshot :



ASSIGNMENT 2

XML: (activity_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">
<RelativeLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">
<TextView
    android:id="@+id/title"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerHorizontal="true"
    android:layout_marginStart="15dp"
    android:layout_marginTop="15dp"
    android:layout_marginEnd="15dp"
    android:layout_marginBottom="15dp"
    android:padding="5dp"
    android:text="Login App" />
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_marginTop="65dp"
    android:orientation="vertical">
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
<TextView
    android:id="@+id/textView3"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_weight="0"
    android:text="Username" />
<EditText
```

```

        android:id="@+id/username"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="20dp"
        android:layout_weight="0"
        android:ems="10"
        android:inputType="textPersonName"
        android:padding="10dp"
        android:text="" />
    </LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:orientation="horizontal">
        <TextView
            android:id="@+id/textView5"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="0"
            android:text="Password" />
        <EditText
            android:id="@+id/password"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="20dp"
            android:layout_weight="0"
            android:ems="10"
            android:inputType="textPassword" />
    </LinearLayout>
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_margin="70dp"
        android:orientation="horizontal"
        android:padding="25dp">
        <Button
            android:id="@+id/button"
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:layout_weight="1"
            android:text="Login" />
    </LinearLayout>
</LinearLayout>
</RelativeLayout>
</android.support.constraint.ConstraintLayout>

```

XML: (activity_main2.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=".Main2Activity">
<TextView
    android:id="@+id/display"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_margin="50dp"
    android:layout_marginStart="176dp"
    android:layout_marginTop="168dp"
    android:layout_marginEnd="8dp"
    android:layout_marginBottom="8dp"
    android:padding="50dp"
    android:text=" "
    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"
    app:layout_constraintVertical_bias="0.408" />
</android.support.constraint.ConstraintLayout>
```

JAVA CODE : (MainActivity.java)

```
package com.example.login;
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 {
    EditText password;
    EditText username;
    Button button;
    String str, str2;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
```

```

setContentView(R.layout.activity_main);
password = (EditText)findViewById(R.id.password);
username = (EditText)findViewById(R.id.username);
button = (Button)findViewById(R.id.button);
button.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        str = username.getText().toString();
        str2 = password.getText().toString();
        if(str.equals("admin") && str2.equals("admin")) {
            Intent i = new Intent(MainActivity.this, Main2Activity.class);
            i.putExtra("username", str);
            startActivity(i);
        } else {
            Toast.makeText(getApplicationContext(), "Invalid credinals ! Try again.",
Toast.LENGTH_LONG).show();
        }
    }
});
}
}

```

JAVA CODE : (Main2Activity.java)

```

package com.example.login;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;
public class Main2Activity extends AppCompatActivity {
    TextView textView;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        textView = (TextView)findViewById(R.id.display);
        textView.setText("User : "+getIntent().getExtras().getString("username"));
    }
}

```

Screenshot :

0 KB/s 75% 8:32 AM

Login

Login App

Username admin

Password *****

LOGIN

0 KB/s 75% 8:32 AM

Login

User : admin

0 KB/s 76% 8:33 AM

Login

Login App

Username admini

Password ***

LOGIN

Invalid credinals ! Try again.