

Q.2] Create an Android application, which show Login Form. After clicking LOGIN button display the “Login Successful...” message if username and password is same else display “Invalid Login” message in Toast Control.

`activity_main.xml`

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

```
<RelativeLayout 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"
```

```
    tools:context=".MainActivity">
```

```
    <EditText
```

```
        android:id="@+id/editTextUsername"
```

```
        android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
```

```
        android:hint="Username"
```

```
        android:layout_margin="16dp"/>
```

```
    <EditText
```

```
        android:id="@+id/editTextPassword"
```

```
        android:layout_width="match_parent"
```

```
        android:layout_height="wrap_content"
```

```
        android:hint="Password"
```

```
        android:inputType="textPassword"
```

```
        android:layout_below="@id/editTextUsername"
```

```
        android:layout_margin="16dp"/>
```

```
    <Button
```

```
    android:id="@+id/buttonLogin"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="LOGIN"
    android:layout_below="@id/editTextPassword"
    android:layout_margin="16dp"/>
```

```
</RelativeLayout>
```

```
MainActivity.java
```

```
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 {
```

```
    private EditText editTextUsername;
```

```
    private EditText editTextPassword;
```

```
    private Button buttonLogin;
```

```
// Define expected username and password
```

```
    private static final String EXPECTED_USERNAME = "username";
```

```
    private static final String EXPECTED_PASSWORD = "password";
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);  
  
    editTextUsername = findViewById(R.id.editTextUsername);  
    editTextPassword = findViewById(R.id.editTextPassword);  
    buttonLogin = findViewById(R.id.buttonLogin);  
  
    buttonLogin.setOnClickListener(new View.OnClickListener() {  
        @Override  
        public void onClick(View v) {  
            String enteredUsername = editTextUsername.getText().toString();  
            String enteredPassword = editTextPassword.getText().toString();  
  
            if (enteredUsername.equals(EXPECTED_USERNAME) &&  
enteredPassword.equals(EXPECTED_PASSWORD)) {  
                showToast("Login Successful");  
            } else {  
                showToast("Invalid Login");  
            }  
        }  
    });  
}  
  
private void showToast(String message) {  
    Toast.makeText(this, message, Toast.LENGTH_SHORT).show();  
}
```

}