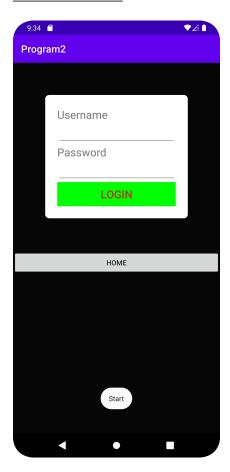
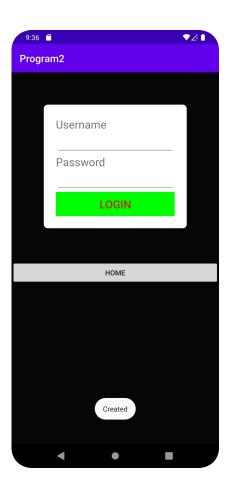
```
package com.learntodroid.androidloginform;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
  private EditText usernameEditText;
  private EditText passwordEditText;
  private Button loginButton;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
      super.onCreate(savedInstanceState);
     setContentView(R.layout.activity_main);
     Log.d("Activity_Lifecycle","onCreate invoked");
     Toast.makeText(MainActivity.this, "Created", Toast.LENGTH_SHORT).show();
     usernameEditText = findViewById(R.id.activity_main_usernameEditText);
     passwordEditText = findViewById(R.id.activity_main_passwordEditText);
      loginButton = findViewById(R.id.activity_main_loginButton);
      loginButton.setOnClickListener(new View.OnClickListener() {
         @Override
         public void on Click (View v) {
            if (usernameEditText.getText().length() > 0 &&
passwordEditText.getText().length() > 0) {
               String toastMessage = "Username: " +
```

```
usernameEditText.getText().toString() + ", Password: " +
passwordEditText.getText().toString();
               Toast.makeText(getApplicationContext(), toastMessage,
Toast.LENGTH_SHORT).show();
            } else {
               String toastMessage = "Username or Password are not populated";
               Toast.makeText(getApplicationContext(), toastMessage,
Toast.LENGTH_SHORT).show();
  protected void onStart() {
     super.onStart();
     Log.d("Activity_Lifecycle", "onStart invoked");
     Toast.makeText(MainActivity.this, "Start", Toast.LENGTH_SHORT).show();
   protected void onResume() {
     super.onResume();
     Log.d("Activity_Lifecycle", "onResume invoked");
     Toast.makeText(MainActivity.this, "Resume", Toast.LENGTH_SHORT).show();
  protected void onPause() {
     super.onPause();
     Log.d("Activity_Lifecycle", "onPause invoked");
     Toast.makeText(MainActivity.this, "Pause", Toast.LENGTH_SHORT).show();
   protected void onStop() {
     super.onStop();
     Log.d("Activity_Lifecycle", "onStop invoked");
     Toast.makeText(MainActivity.this, "Stop", Toast.LENGTH_SHORT).show();
  protected void onRestart() {
     super.onRestart();
     Log.d("Activity_Lifecycle", "onRestart invoked");
     Toast.makeText(MainActivity.this, "Restart", Toast.LENGTH_SHORT).show();
```

## Screenshots:





## **Logcat screenshots**

```
D/Activity_Lifecycle: onCreate invoked
D/CompatibilityChangeReporter: Compat change id reported: 147798919; UID 10306; state: DISABLED
D/Activity_Lifecycle: onStart invoked
D/Activity_Lifecycle: onResume invoked
```

D/Activity\_Lifecycle: onRestart invoked
D/Activity\_Lifecycle: onStart invoked
D/Activity\_Lifecycle: onResume invoked

D/Activity\_Lifecycle: onPause invoked
D/Activity\_Lifecycle: onStop invoked