

```

public class MainActivity extends AppCompatActivity {

    private class User {

        private String username;

        public User(String username) {
            this.username = username;
        }

        public String getUsername() {
            return username;
        }
    }

    private User mUsername;

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

        new AsyncTask<Void, Void, User>() {

            @Override
            protected User doInBackground(Void... params) {
                User result = getYourUsername();
                return result;
            }

            @Override
            protected void onPostExecute(User user) {
                mUsername = user;
            }
        }
        .execute();

        // this button exists in layout
        Button button = (Button) findViewById(R.id.button);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Toast.makeText(
                    MainActivity.this,
                    mUsername.getUsername(),
                    Toast.LENGTH_SHORT)
                    .show();
            }
        });
    }

    private User getYourUsername() {
        try {
            Thread.sleep(1000); // some processing, which takes time
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
        return new User("username");
    }
}

```