

HW Ch 18: Murach and Campus Eats - Group Work

Group 21: Pooja , Ara, Dalton, Yogesh

1) Using the Campus Eats Database, Create the Following:

a) two roles: ce_user and ce_admin

ce_user has select privileges to all tables

ce_admin has full privileges to all tables

Ans.

Create role if not exists ce_user, ce_admin;

Grant select on campus_eats_fall2020 . to ce_user;*

Grant all on campus_eats_fall2020 . to ce_admin;*

b) two user accounts: haps_user with password pa55word and jay_admin with password pa55word (both @localhost if appropriate)

ans.

Create user if not exists haps_user@localhost identified by 'pa55word';

Create user if not exists jay_admin@localhost identified by 'pa55word';

c) assign the ce_user role to haps_user and the ce_admin role to jay_admin

Ans.

Grant ce_user to haps_user@localhost;

Grant ce_admin to jay_admin@localhost;

d) create a view to the restaurant table that is named view_haps and only shows restaurant id 1

Ans.

Drop View If Exists `view_haps`;

*Create View `view_haps` AS select * from restaurant*

where restaurant_id = 1;

e) grant haps_user both select and update privileges to the view

Ans.

Grant select, update on campus_eats_fall2020.view_haps to haps_user@localhost;

f) include a screenshot that shows that haps cannot delete a restaurant record (even for haps) but can update via the view.

Ans.

Show grants for haps_user@localhost;

Connect db as haps_user and execute following statements

*select * from view_haps;*

delete from view_haps where restaurant_id = 1;

The screenshot shows a MySQL query client interface. The query window contains two statements:

```
1 • select * from view_haps;
2 • delete from view_haps where restaurant_id = 1;
3
```

The Results window displays the output of the first query, showing a single row with the following data:

restaurant_id	location	restaurant_name	schedule	website
1	5357 Adrianna Shoal Suite 41...	Rath Ltd	9am -10pm	http://hahn.com/

The Action Output window shows the execution log:

#	Time	Action	Message	Duration / Fetch
12	00:15:05	select * from view_haps LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
13	00:15:05	delete from view_haps where restaurant_id = 1	Error Code: 1142. DELETE command denied to user haps_user@localhost' for table 'v...	0.000 sec

trigger create_users

```

18 • Create View `view_haps` AS select * from restaurant
19   where restaurant_id = 1;
20
21 -- e. grant privilege to haps
22 • Grant select, update on campus_eats_fall2020.view_haps to haps_user@localhost;
23
24 -- f. Privileges of haps
25 • Show grants for haps_user@localhost;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: [f](#)

Grants for haps_user@localhost	
▶	GRANT USAGE ON *.* TO `haps_user`@`localhost`
	GRANT SELECT, UPDATE ON `campus_eats_fall2020`.`view_haps` TO `haps_user`@`localhost`
	GRANT `ce_user`@`%` TO `haps_user`@`localhost`

Result 1 × [Read Only](#)

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 6	00:00:23	Grant ce_user to haps_user@localhost	0 row(s) affected	0.000 sec
✓ 7	00:00:23	Grant ce_admin to jay_admin@localhost	0 row(s) affected	0.015 sec
⚠ 8	00:00:23	Drop View If Exists `view_haps`	0 row(s) affected, 1 warning(s): 1051 Unknown table 'campus_eats_fall2020.view_haps'	0.000 sec
✓ 9	00:00:23	Create View `view_haps` AS select * from restaurant where restaurant_id = 1	0 row(s) affected	0.031 sec
✓ 10	00:00:23	Grant select, update on campus_eats_fall2020.view_haps to haps_user@localhost	0 row(s) affected	0.000 sec
✓ 11	00:00:23	Show grants for haps_user@localhost	3 row(s) returned	0.000 sec / 0.000 sec