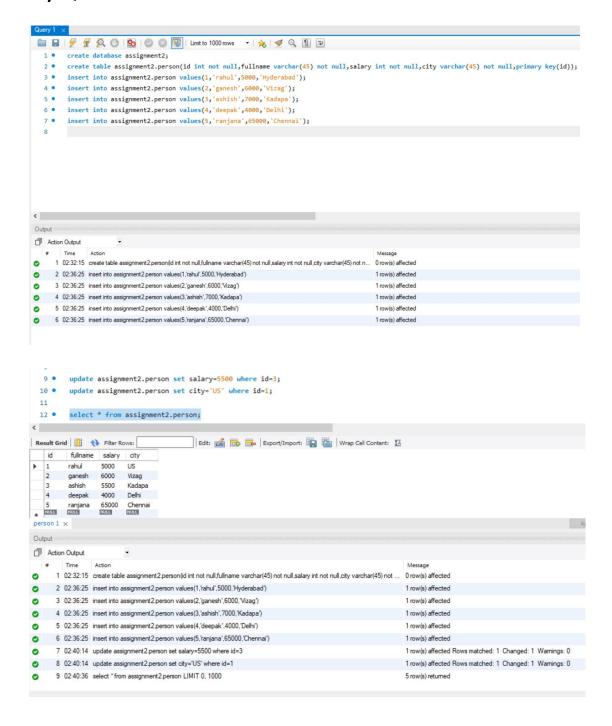**ASSIGNMENT 2**
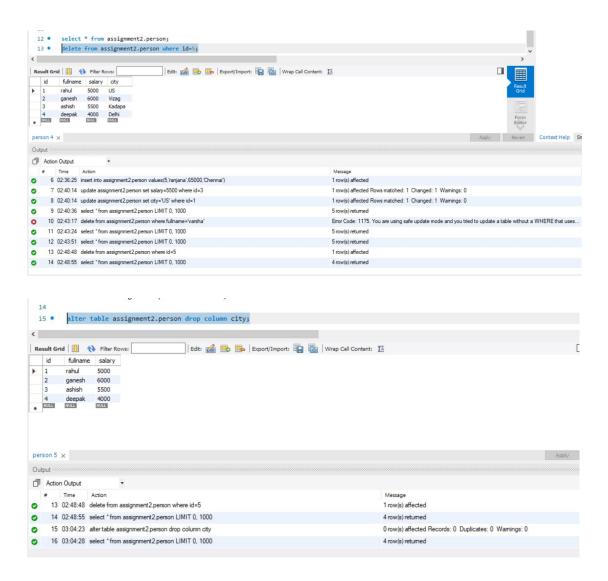
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VIT VELLORE

create, update, delete commands in mysql
create tables and perform joins in mysql
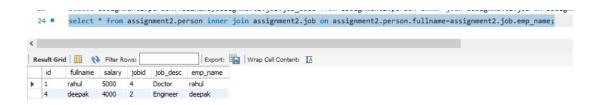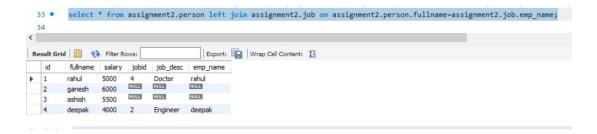create, update, delete commands in mongo

MySQL Commands :

```sql
12 •   select * from assignment2.person;
13 •   delete from assignment2.person where id=5;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: IA

id	fullname	salary	city
1	rahul	5000	US
2	ganesh	6000	Vizag
3	ashish	5500	Kadapa
4	deepak	4000	Delhi
NULL	NULL	NULL	NULL

person 4 ×

Output

Action Output

#	Time	Action	Message
6	02:36:25	insert into assignment2.person values(5,'ranjana',65000,'Chennai')	1 row(s) affected
7	02:40:14	update assignment2.person set salary=5500 where id=3	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
8	02:40:14	update assignment2.person set city='US' where id=1	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0
9	02:40:36	select * from assignment2.person LIMIT 0, 1000	5 row(s) returned
10	02:43:17	delete from assignment2.person where fullname='varsha'	Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses...
11	02:43:24	select * from assignment2.person LIMIT 0, 1000	5 row(s) returned
12	02:43:51	select * from assignment2.person LIMIT 0, 1000	5 row(s) returned
13	02:48:48	delete from assignment2.person where id=5	1 row(s) affected
14	02:48:55	select * from assignment2.person LIMIT 0, 1000	4 row(s) returned

```sql
14
15 •   alter table assignment2.person drop column city;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: IA

id	fullname	salary
1	rahul	5000
2	ganesh	6000
3	ashish	5500
4	deepak	4000
NULL	NULL	NULL

person 5 ×

Output

Action Output

#	Time	Action	Message
13	02:48:48	delete from assignment2.person where id=5	1 row(s) affected
14	02:48:55	select * from assignment2.person LIMIT 0, 1000	4 row(s) returned
15	03:04:23	alter table assignment2.person drop column city	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
16	03:04:28	select * from assignment2.person LIMIT 0, 1000	4 row(s) returned

Joins:

```sql
17 •   create table assignment2.job(jobid int not null,job_desc varchar(45) not null,emp_name varchar(45) not null,primary key(jobid));
18 •   select * from assignment2.job;
19 •   insert into assignment2.job values(2,'Engineer','deepak');
20 •   insert into assignment2.job values(4,'Doctor','rahul');
21 •   insert into assignment2.job values(6,'Painter','Shannu');
22
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: IA

jobid	job_desc	emp_name
2	Engineer	deepak
4	Doctor	rahul
6	Painter	Shannu
NULL	NULL	NULL

Inner Join :

```
24 •   select * from assignment2.person inner join assignment2.job on assignment2.person.fullname=assignment2.job.emp_name;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ⫶A

id	fullname	salary	jobid	job_desc	emp_name
1	rahul	5000	4	Doctor	rahul
4	deepak	4000	2	Engineer	deepak

Left Outer join :

```
33 •   select * from assignment2.person left join assignment2.job on assignment2.person.fullname=assignment2.job.emp_name;
34
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ⫶A

id	fullname	salary	jobid	job_desc	emp_name
1	rahul	5000	4	Doctor	rahul
2	ganesh	6000	NULL	NULL	NULL
3	ashish	5500	NULL	NULL	NULL
4	deepak	4000	2	Engineer	deepak

Right Outer Join :

```
40 •   select * from assignment2.person right join assignment2.job on assignment2.person.fullname=assignment2.job.emp_name;
41
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ⫶A

id	fullname	salary	jobid	job_desc	emp_name
4	deepak	4000	2	Engineer	deepak
1	rahul	5000	4	Doctor	rahul
NULL	NULL	NULL	6	Painter	Shannu

Cross:

```
41
42 •   select assignment2.person.fullname,assignment2.job.job_desc from assignment2.person cross join assignment2.job where assignment2.person.fullname=assignment2.job.emp_nam
43 •   select * from assignment2.person cross join assignment2.job;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ⫶A

fullname	job_desc
rahul	Doctor
deepak	Engineer

```
43 •   select * from assignment2.person cross join assignment2.job;
```

id	fullname	salary	jobid	job_desc	emp_name
1	rahul	5000	6	Painter	Shannu
1	rahul	5000	4	Doctor	rahul
1	rahul	5000	2	Engineer	deepak
2	ganesh	6000	6	Painter	Shannu
2	ganesh	6000	4	Doctor	rahul
2	ganesh	6000	2	Engineer	deepak
3	ashish	5500	6	Painter	Shannu
3	ashish	5500	4	Doctor	rahul
3	ashish	5500	2	Engineer	deepak
4	deepak	4000	6	Painter	Shannu
4	deepak	4000	4	Doctor	rahul
4	deepak	4000	2	Engineer	deepak

MongoDB commands :

```
>_MONGOSH

> show dbs
< admin            48.00 KiB
  assignment2       8.00 KiB
  comments         72.00 KiB
  config          108.00 KiB
  local            80.00 KiB
> use assignment2
< switched to db assignment2
assignment2 > |
```

Create collection :

```
> db.createCollection("mycollection");
< { ok: 1 }
assignment2 >
```

Insert in to the collection :

```
>
> db.mycollection.insertOne({'car':'honda'})
< {
    acknowledged: true,
    insertedId: ObjectId("6472f0a6717f5f03aba0c5b1")
  }
>
```

Update the collection :

```
> db.mycollection.updateOne({car: "honda"}, {$set:{color:"black"}})
< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
  }
assignment2 >
```

Delete from the collection :

```
>
> db.mycollection.deleteOne({car:"honda"});
< {
    acknowledged: true,
    deletedCount: 1
  }
>
```

Count of documents in the colleciton :

```
>
> db.mycollection.countDocuments()
< 0
>
assignment2 >
```