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20BCE0218

Assignment 2

1) Create, update, delete commands in mysql

Code

use employee;

```
CREATE table department(empid int,name varchar(50),age int,desig varchar(20));
insert into department values(1,"EMP1",21,"Manager");
insert into department values(2,"EMP2",25,"Assistant Manager");
insert into department values(3,"EMP3",26,"Manager");
insert into department values(4,"EMP4",27,"Senior Manager");
select * from department;
update department set name="Andrew" WHERE empid=2;
CREATE table emp_info(empid int,location varchar(20),salary int);
insert into emp_info values(1,"City1",100000);
insert into emp_info values(2,"City2",80000);
insert into emp_info values(3,"City3",90000);
insert into emp_info values(4,"City4",150000);
select * from department INNER JOIN emp_info ON
department.empid=emp_info.empid;
delete from department where empid=3;
drop table department,emp_info;
```

a)Create

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

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INSTANCE

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PERFORMANCE

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- Performance Schema Setup

Administration Schemas

Information

No object selected

Query 1 x employee - Schema Search

Limit to 1000 rows

```

1 use employee;
2 CREATE table department(empid int,name varchar(50),age int,desig varchar(20));
3 insert into department values(1,"EMP1",21,"Manager");
4 insert into department values(2,"EMP2",25,"Assistant Manager");
5 insert into department values(3,"EMP3",26,"Manager");
6 insert into department values(4,"EMP4",27,"Senior Manager");
7 select * from department;
8 update department set name="Andrew" WHERE empid=3;
9 CREATE table emp_info(empid int,location varchar(20),salary int);
10 insert into emp_info values(1,"City1",100000);
11 insert into emp_info values(2,"City2",80000);
12 insert into emp_info values(3,"City3",90000);
13 insert into emp_info values(4,"City4",150000);
14 select * from department INNER JOIN emp_info ON
15 department.empid=emp_info.empid;
16 delete from department where empid=3;
17 drop table department,emp_info;
18

```

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
46	20:29:54	insert into department values(4,"John",27,"Senior Marketing Manager")	Error Code: 1406. Data too long for column 'desig' at row 1	0.000 sec
47	20:30:07	insert into department values(4,"John",27,"Senior Manager")	1 row(s) affected	0.000 sec
48	20:30:56	insert into emp_info values(4,"Delhi",150000)	1 row(s) affected	0.016 sec
49	20:36:24	select * from department INNER JOIN emp_info ON department.empid=emp_info.empid LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
50	20:37:07	CREATE table department(empid int,name varchar(50),age int,desig varchar(20))	Error Code: 1050. Table 'department' already exists	0.000 sec
51	20:37:34	drop table department,emp_info	0 row(s) affected	0.015 sec

MySQL Workbench

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Information

No object selected

Query 1 x employee - Schema Search

Limit to 1000 rows

```

1 use employee;
2 CREATE table department(empid int,name varchar(50),age int,desig varchar(20));
3 insert into department values(1,"EMP1",21,"Manager");
4 insert into department values(2,"EMP2",25,"Assistant Manager");
5 insert into department values(3,"EMP3",26,"Manager");
6 insert into department values(4,"EMP4",27,"Senior Manager");
7 select * from department;
8 update department set name="Andrew" WHERE empid=3;

```

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Context Help Snippets

Result Grid

empid	name	age	desig
1	EMP1	21	Manager
2	EMP2	25	Assistant Manager
3	EMP3	26	Manager
4	EMP4	27	Senior Manager

department 8 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
52	21:11:56	CREATE table department(empid int,name varchar(50),age int,desig varchar(20))	0 row(s) affected	0.000 sec
53	21:12:04	insert into department values(1,"EMP1",21,"Manager")	1 row(s) affected	0.000 sec
54	21:12:08	insert into department values(2,"EMP2",25,"Assistant Manager")	1 row(s) affected	0.000 sec
55	21:12:10	insert into department values(3,"EMP3",26,"Manager")	1 row(s) affected	0.000 sec
56	21:12:14	insert into department values(4,"EMP4",27,"Senior Manager")	1 row(s) affected	0.015 sec
57	21:12:19	select * from department LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

b)Update

MySQL Workbench

Local instance MySQL80

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Administration Schemas

Information

No object selected

Query 1: employee - Schema

```

1 use employee;
2 CREATE table department(empid int,name varchar(50),age int,desig varchar(20));
3 insert into department values(1,"EMP1",21,"Manager");
4 insert into department values(2,"EMP2",25,"Assistant Manager");
5 insert into department values(3,"EMP3",26,"Manager");
6 insert into department values(4,"EMP4",27,"Senior Manager");
7 select * from department;
8 update department set name="Andrew" WHERE empid=2;

```

Result Grid

empid	name	age	desig
1	EMP1	21	Manager
2	Andrew	25	Assistant Manager
3	EMP3	26	Manager
4	EMP4	27	Senior Manager

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
54	21:12:08	insert into department values(2,"EMP2",25,"Assistant Manager")	1 row(s) affected	0.000 sec
55	21:12:10	insert into department values(3,"EMP3",26,"Manager")	1 row(s) affected	0.000 sec
56	21:12:14	insert into department values(4,"EMP4",27,"Senior Manager")	1 row(s) affected	0.015 sec
57	21:12:19	select * from department LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
58	21:12:45	update department set name="Andrew" WHERE empid=2	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
59	21:12:55	select * from department LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

2) Create tables and perform joins in mysql

MySQL Workbench

Local instance MySQL80

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Administration Schemas

Information

No object selected

Query 1: employee - Schema

```

8 update department set name="Andrew" WHERE empid=2;
9 CREATE table emp_info(empid int,location varchar(20),salary int);
10 insert into emp_info values(1,"City1",100000);
11 insert into emp_info values(2,"City2",80000);
12 insert into emp_info values(3,"City3",90000);
13 insert into emp_info values(4,"City4",150000);
14 select * from department INNER JOIN emp_info ON
15 department.empid=emp_info.empid;

```

Result Grid

empid	name	age	desig	empid	location	salary
1	EMP1	21	Manager	1	City1	100000
2	Andrew	25	Assistant Manager	2	City2	80000
3	EMP3	26	Manager	3	City3	90000
4	EMP4	27	Senior Manager	4	City4	150000

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

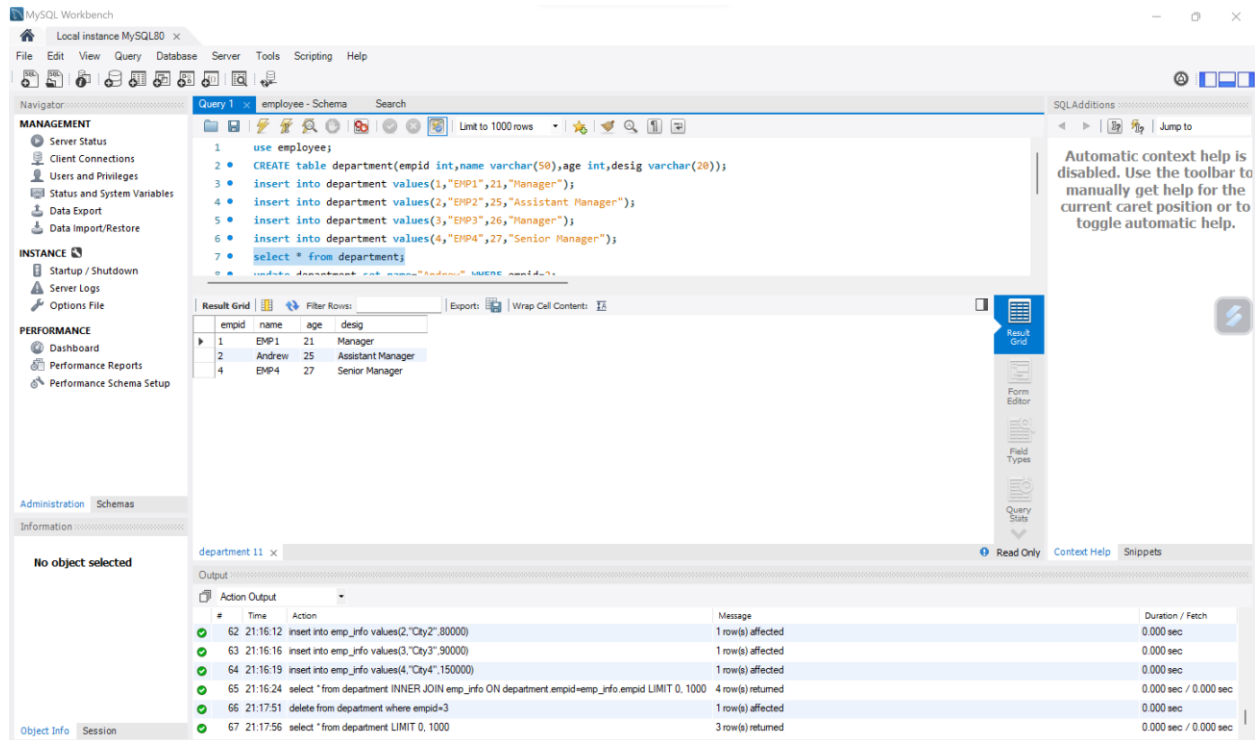
Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
60	21:16:03	CREATE table emp_info(empid int,location varchar(20),salary int)	0 row(s) affected	0.016 sec
61	21:16:09	insert into emp_info values(1,"City1",100000)	1 row(s) affected	0.000 sec
62	21:16:12	insert into emp_info values(2,"City2",80000)	1 row(s) affected	0.000 sec
63	21:16:16	insert into emp_info values(3,"City3",90000)	1 row(s) affected	0.000 sec
64	21:16:19	insert into emp_info values(4,"City4",150000)	1 row(s) affected	0.000 sec
65	21:16:24	select * from department INNER JOIN emp_info ON department.empid=emp_info.empid LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Delete



create, update, delete commands in mongo

Code

```
db.depart.insert([{"empid":"1","Name":"emp1","Salary":"100000"}, {"empid":"2",
"Name":"emp2","Salary":"150000"}, {"empid":"3","Name":"emp3","Salary":"500
00"}, {"empid":"4","Name":"emp4","Salary":"60000"}])
```

```
db.depart.remove({"empid":"4"})
```

```
db.depart.update({"empid":"1"},{$set:{"Name":"emp"}})
```

MongoDB Compass - localhost:27017/employ1.depart

Connect Edit View Collection Help

localhost:27017

Documents
employ1.depart

My Queries

Databases

Search

admin

config

emp

emp1

employ1

depart

employee

local

employ1.depart

3 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT DATA

1 - 3 of 3

`{ "_id": ObjectId('6473791432532ceb7f6f7a79'), "empid": "1", "Name": "emp", "Salary": "100000" }`

`{ "_id": ObjectId('6473791432532ceb7f6f7a7a'), "empid": "2", "Name": "emp2", "Salary": "150000" }`

`{ "_id": ObjectId('6473791432532ceb7f6f7a7b'), "empid": "3", "Name": "emp3", "Salary": "50000" }`

> MONGOSH