

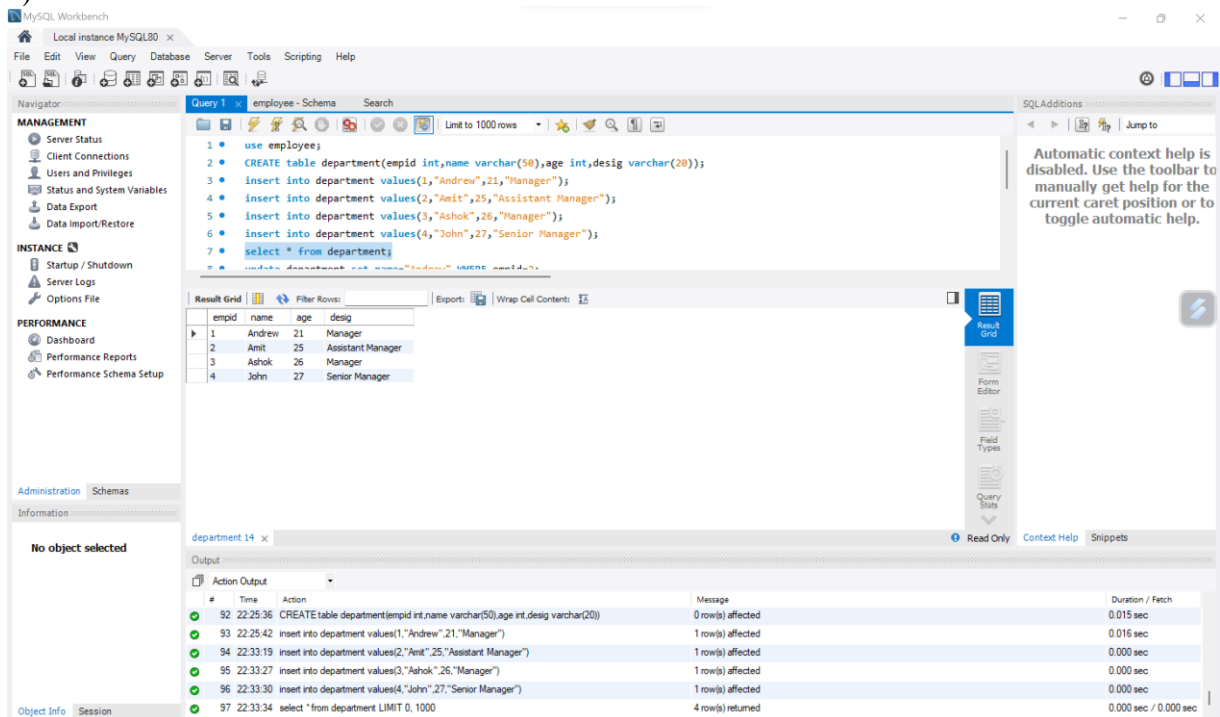
Assignment 2

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,"Andrew",21,"Manager");
insert into department values(2,"Amit",25,"Assistant Manager");
insert into department values(3,"Ashok",26,"Manager");
insert into department values(4,"John",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,"Prayagraj,UP",100000);
insert into emp_info values(2,"Bhopal,MP",80000);
insert into emp_info values(3,"Jaipur,Rajasthan",90000);
insert into emp_info values(4,"Delhi",150000);
select * from department INNER JOIN emp_info ON
department.empid=emp_info.empid;
delete from department where empid=3;
drop table department;
drop table emp_info;
```

a) Create



The screenshot displays the MySQL Workbench interface. The 'Query Editor' window shows the following SQL commands:

```
1 use employee;
2 CREATE table department(empid int,name varchar(50),age int,desig varchar(20));
3 insert into department values(1,"Andrew",21,"Manager");
4 insert into department values(2,"Amit",25,"Assistant Manager");
5 insert into department values(3,"Ashok",26,"Manager");
6 insert into department values(4,"John",27,"Senior Manager");
7 select * from department;
```

The 'Result Grid' shows the output of the 'select * from department;' query:

empid	name	age	desig
1	Andrew	21	Manager
2	Amit	25	Assistant Manager
3	Ashok	26	Manager
4	John	27	Senior Manager

The 'Output' window shows the execution log:

#	Time	Action	Message	Duration / Fetch
92	22:25:36	CREATE table department(empid int,name varchar(50),age int,desig varchar(20))	0 row(s) affected	0.015 sec
93	22:25:42	insert into department values(1,"Andrew",21,"Manager")	1 row(s) affected	0.016 sec
94	22:33:19	insert into department values(2,"Amit",25,"Assistant Manager")	1 row(s) affected	0.000 sec
95	22:33:27	insert into department values(3,"Ashok",26,"Manager")	1 row(s) affected	0.000 sec
96	22:33:30	insert into department values(4,"John",27,"Senior Manager")	1 row(s) affected	0.000 sec
97	22:33:34	select * from department LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

b) Update

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Administration Schemas

Information

No object selected

Query 1 employee - Schema Search

```

1 use employee;
2 CREATE table department(empid int,name varchar(50),age int,desig varchar(20));
3 insert into department values(1,"Andrew",21,"Manager");
4 insert into department values(2,"Amit",25,"Assistant Manager");
5 insert into department values(3,"Ashok",26,"Manager");
6 insert into department values(4,"John",27,"Senior Manager");
7 select * from department;

```

Result Grid

empid	name	age	desig
1	Andrew	21	Manager
2	Andrew	25	Assistant Manager
3	Ashok	26	Manager
4	John	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.

Output

department 15 x

Read Only Context Help Snippets

Action Output

#	Time	Action	Message	Duration / Fetch
94	22:33:19	insert into department values(2,"Amit",25,"Assistant Manager")	1 row(s) affected	0.000 sec
95	22:33:27	insert into department values(3,"Ashok",26,"Manager")	1 row(s) affected	0.000 sec
96	22:33:30	insert into department values(4,"John",27,"Senior Manager")	1 row(s) affected	0.000 sec
97	22:33:34	select * from department LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
98	22:34:53	update department set name="Andrew" WHERE empid=2	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
99	22:35:00	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 x

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Administration Schemas

Information

No object selected

Query 1 employee - Schema Search

```

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,"Prayagraj,UP",100000);
11 insert into emp_info values(2,"Bhopal,MP",80000);
12 insert into emp_info values(3,"Jaipur,Rajasthan",90000);
13 insert into emp_info values(4,"Delhi",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	Andrew	21	Manager	1	Prayagraj,UP	100000
2	Andrew	25	Assistant Manager	2	Bhopal,MP	80000
3	Ashok	26	Manager	3	Jaipur,Rajasthan	90000
4	John	27	Senior Manager	4	Delhi	150000

SQLAdditions

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

Output

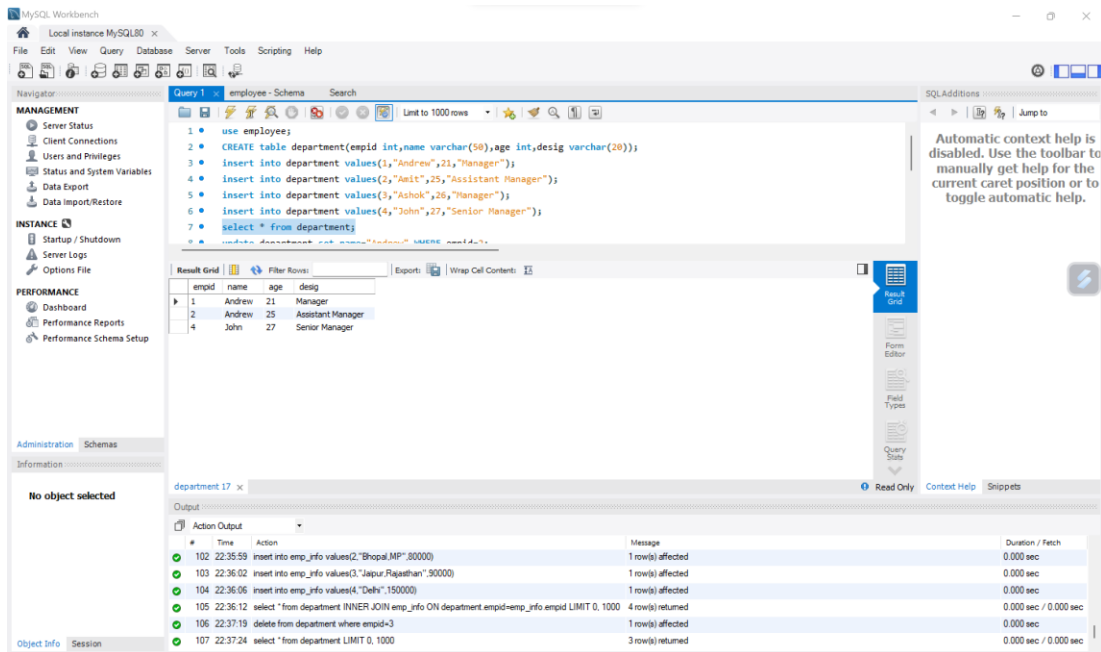
Result 16 x

Read Only Context Help Snippets

Action Output

#	Time	Action	Message	Duration / Fetch
100	22:35:53	CREATE table emp_info(empid int,location varchar(20),salary int)	0 row(s) affected	0.015 sec
101	22:35:56	insert into emp_info values(1,"Prayagraj,UP",100000)	1 row(s) affected	0.000 sec
102	22:35:59	insert into emp_info values(2,"Bhopal,MP",80000)	1 row(s) affected	0.000 sec
103	22:36:02	insert into emp_info values(3,"Jaipur,Rajasthan",90000)	1 row(s) affected	0.000 sec
104	22:36:06	insert into emp_info values(4,"Delhi",150000)	1 row(s) affected	0.000 sec
105	22:36:12	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



2)create, update, delete commands in mongo

Code

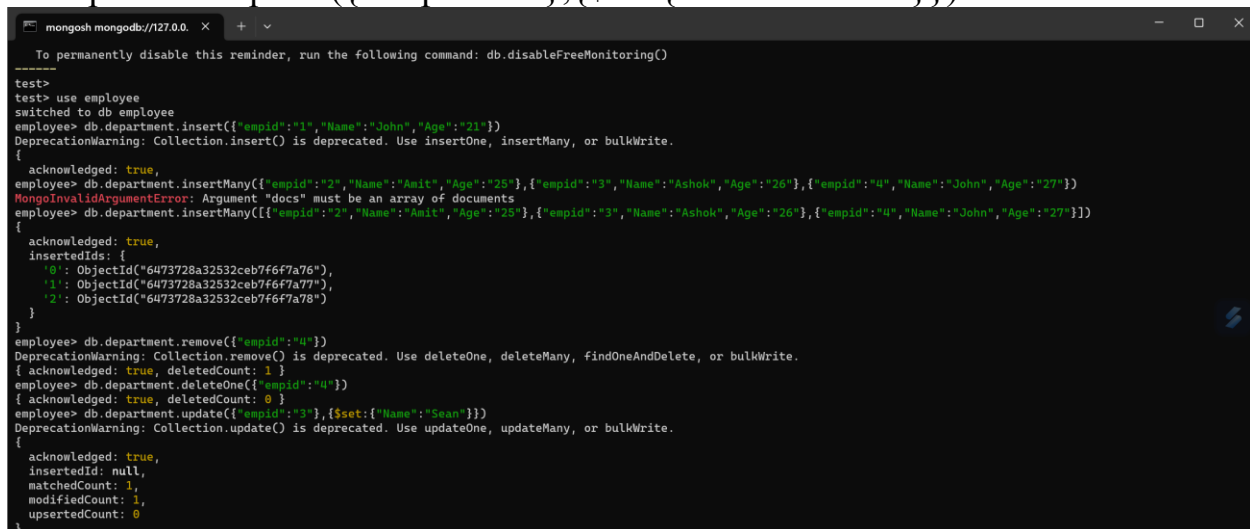
use employee

```
db.department.insert({"empid":"1","Name":"John","Age":"21"})
```

```
db.department.insertMany([{"empid":"2","Name":"Amit","Age":"25"}, {"empid":"3","Name":"Ashok","Age":"26"}, {"empid":"4","Name":"John","Age":"27"}])
```

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

```
db.department.update({"empid":"3"},{$set: {"Name":"Sean"}})
```



Output

MongoDB Compass - localhost:27017/employee.department

Connect Edit View Collection Help

localhost:27017Documentsemployee.depart...

My Queries

Databases

Search

admin

config

emp

empl

employl

depart

employee

department

local

employee.department

31DOCUMENTSINDEXES

DocumentsAggregationsSchemaExplain PlanIndexesValidation

FilterType a query: { field: 'value' }

ResetFindMore Options

ADD DATAEXPORT DATA

1 - 3 of 3

_id: ObjectId('6473710632532ceb7f6f7a75')

empid: "1"

Name: "John"

Age: "21"

_id: ObjectId('6473728a32532ceb7f6f7a76')

empid: "2"

Name: "Amit"

Age: "25"

_id: ObjectId('6473728a32532ceb7f6f7a77')

empid: "3"

Name: "Sean"

Age: "26"

> MONGOSH