GROUP 4
CO-1

AIM:

Consider the database for a college and design an ER diagram. Write the query for the following.

Create the tables:

Student (sid, sname,sex, dob,dno)

Department (dno, dname)

Faculty (F_id, fname, designation, salary,dno)

Course (cid, cname, credits,dno)

Register(sid,cid,sem)

Teaching(f_id,cid,sem)

Hostel(hid,hname,seats,)

Include the necessary constraints NOT NULL, DEFAULT, CHECK, and PRIMARY KEY, UNIQUE.

(i) Create a databasecollege

(ii) Use college as the currentdatabase

(iii) Display all the tables in collegedatabase

(iv) Describe the structure of alltables

(v) Modify the student table to add a new field‘grade’

Consider the database for a college. Write the query for the following.

a. Insert at least 5 tuples into each table.

b. List the details of students in the ascending order of date of birth

c. Display the details of students from computer department

d. List the faculties in the descending order of salary

e. Display the total number of students in each department

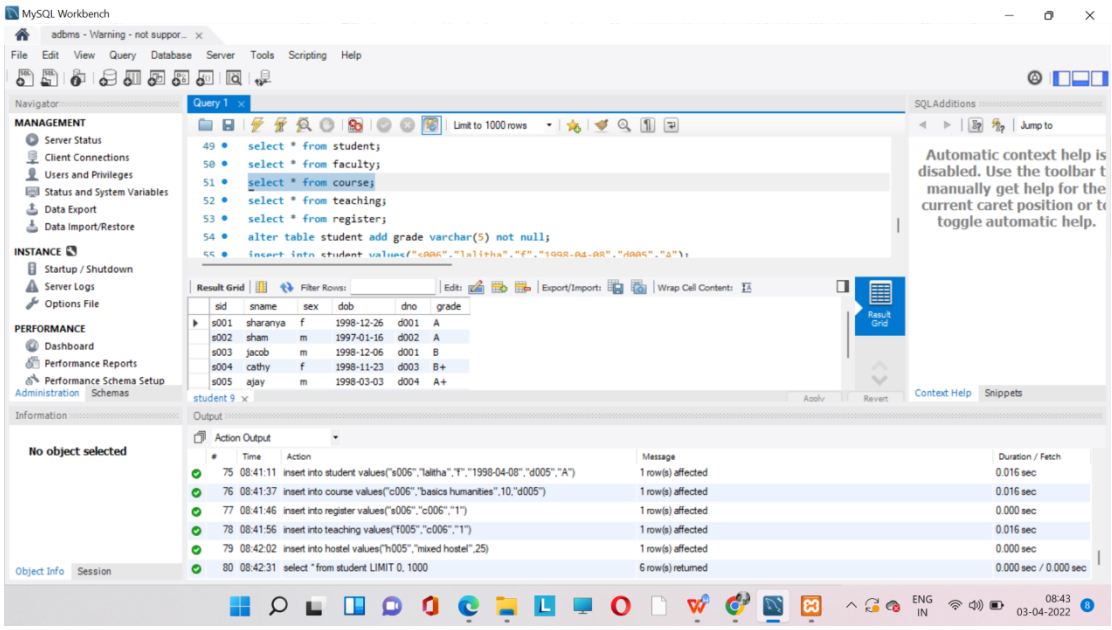
f. Display the total number of faculties in each department with salary greater than 25000

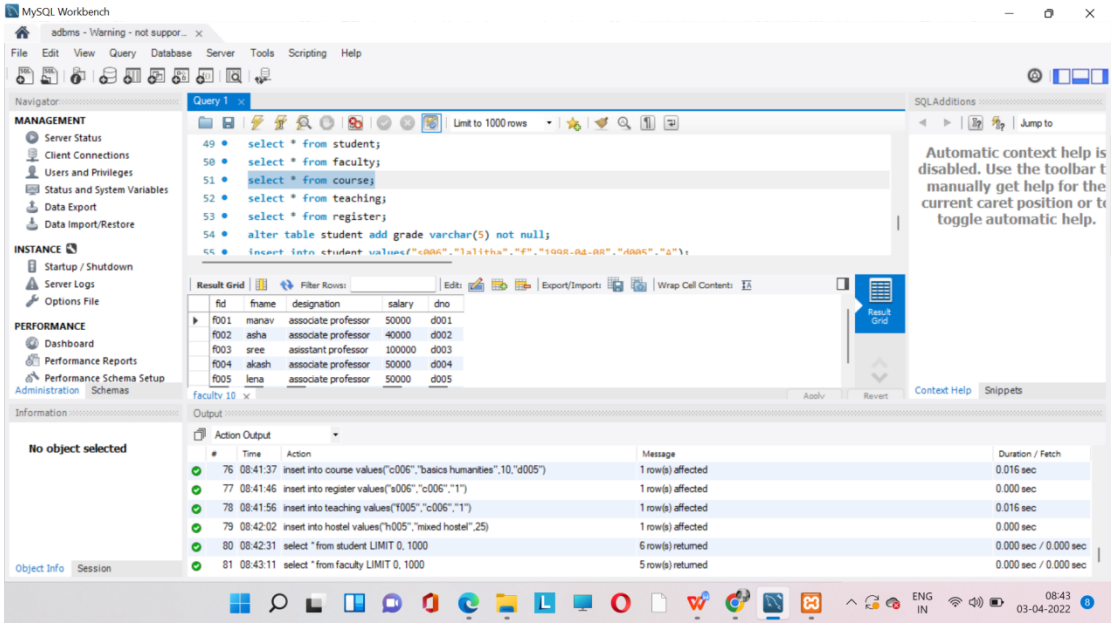
CODE:

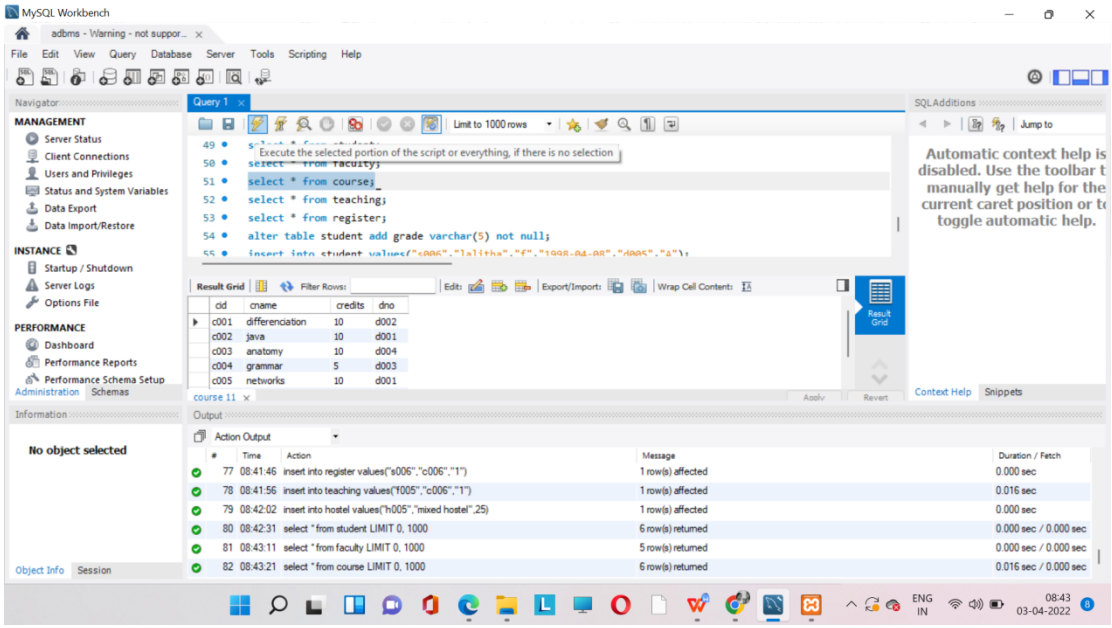
```
create database college;
use college;

create table department(dno varchar(20) not null,dname varchar(20) not null,primary key(dno));
create table student( sid varchar(20) not null,sname varchar(20) not null,sex varchar(10) not null,dob date not null,dno varchar(20) not null,primary key(sid),foreign key(dno) references department(dno) on delete cascade);
create table faculty(fid varchar(20) not null,fname varchar(30) not null,designation varchar(20) not null,salary integer(10) check (salary>5000 and salary <=150000),dno varchar(20) not null,primary key(fid),foreign key(dno) references department(dno) on delete cascade);
create table course(cid varchar(20) not null,cname varchar(20) not null,credits integer(10) not null,dno varchar(20) not null,primary key(cid),foreign key(dno) references department(dno) on delete cascade);
create table register(sid varchar(20) not null,cid varchar(20) not null,sem varchar(10) not null,foreign key(sid) references student(sid) on delete cascade,foreign key(cid) references course(cid) on delete cascade);
create table teaching(fid varchar(20) not null,cid varchar(20) not null,sem varchar(10) not null,foreign key(fid) references faculty(fid) on delete cascade,foreign key(cid) references course(cid) on delete cascade);
create table hostel(hid varchar(20) not null,hname varchar(20) not null default "modern hostel",seats integer(20) not null,unique(hid));

insert into department values("d001","computer");
insert into department values("d002","maths");
insert into department values("d003","english");
insert into department values("d004","science");
insert into department values("d005","humanities");
insert into student values("s001","sharanya","f","1998-12-26","d001");
insert into student values("s002","sham","m","1997-01-16","d002");
insert into student values("s003","jacob","m","1998-12-06","d001");
insert into student values("s004","cathy","f","1998-11-23","d003");
insert into student values("s005","ajay","m","1998-03-03","d004");
insert into faculty values("f001","manav","associate professor",50000,"d001");
insert into faculty values("f002","asha","associate professor",40000,"d002");
insert into faculty values("f003","sree","asisstant professor",100000,"d003");
insert into faculty values("f004","akash","associate professor",50000,"d004");
insert into faculty values("f005","lena","associate professor",50000,"d005");
insert into course values("c001","differenciation",10,"d002");
insert into course values("c002","java",10,"d001");
insert into course values("c003","anatomy",10,"d004");
```

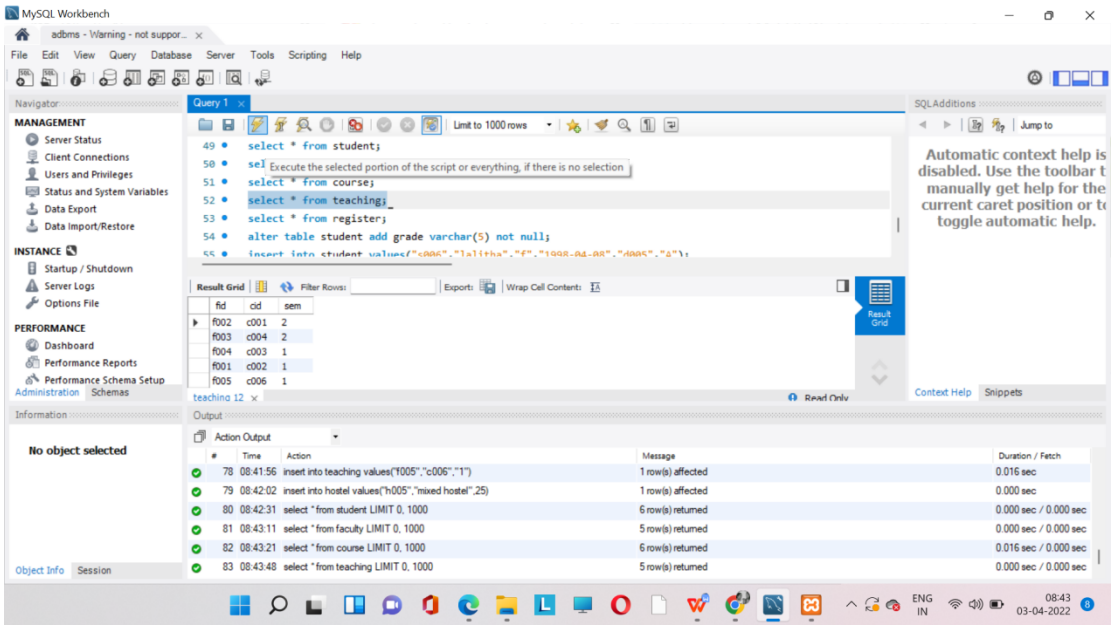
```
insert into course values("c004","grammar",5,"d003");
insert into course values("c005","networks",10,"d001");
insert into course values("c006","basics humanities",10,"d005");
insert into register values("s001","c002","1");
insert into register values("s001","c005","1");
insert into register values("s002","c001","2");
insert into register values("s005","c003","1");
insert into register values("s004","c004","2");
insert into register values("s003","c002","1");
insert into register values("s006","c006","1");
insert into teaching values("f001","c002","1");
insert into teaching values("f002","c001","2");
insert into teaching values("f003","c004","2");
insert into teaching values("f004","c003","1");
insert into teaching values("f005","c006","1");
insert into hostel values("h001","rose hostel",20);
insert into hostel values("h002","general hostel",20);
insert into hostel values("h003","boys hostel",20);
insert into hostel values("h004","working hostel",20);
insert into hostel values("h005","mixed hostel",25);

select * from department;
select * from student;
select * from faculty;
select * from course;
select * from teaching;
select * from register;

alter table student add grade varchar(5) not null;
insert into student values("s006","lalitha","f","1998-04-08","d005","A");
update student set grade="A" where sid="s001";
update student set grade="A" where sid="s002";
update student set grade="B" where sid="s003";
update student set grade="B+" where sid="s004";
update student set grade="A+" where sid="s005";

select * from student order by dob;

select * from student where dno="d001";

select * from faculty order by salary desc;

select count(sid) as "no of student",dno from student group by dno;

select count(fid) as "no of faculty",dno from faculty group by dno having salary>=25000;
```

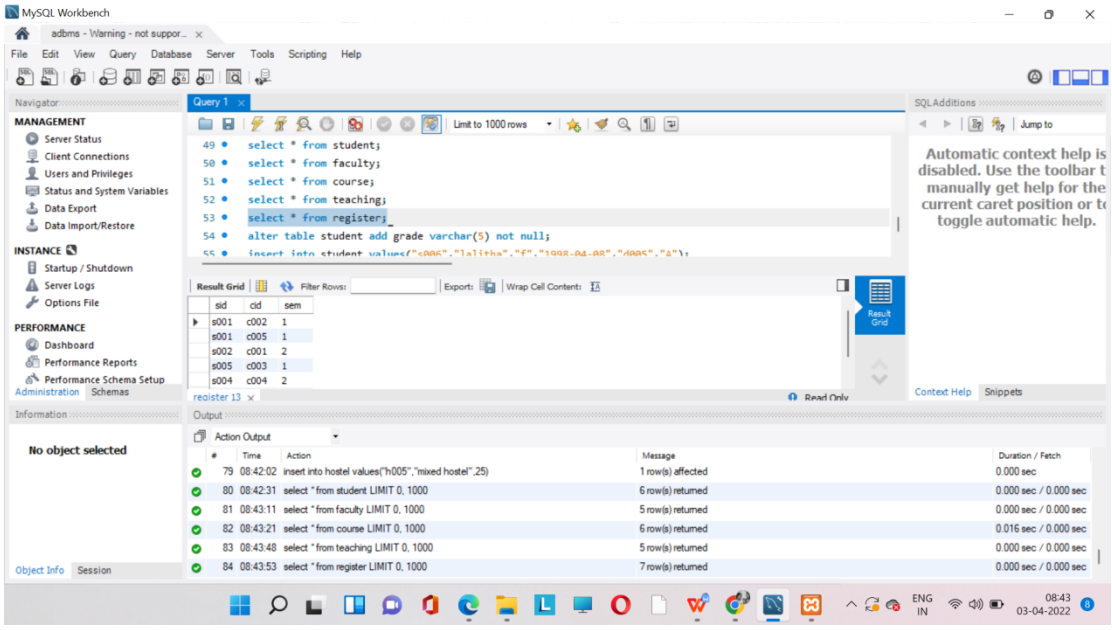
OUTPUT:

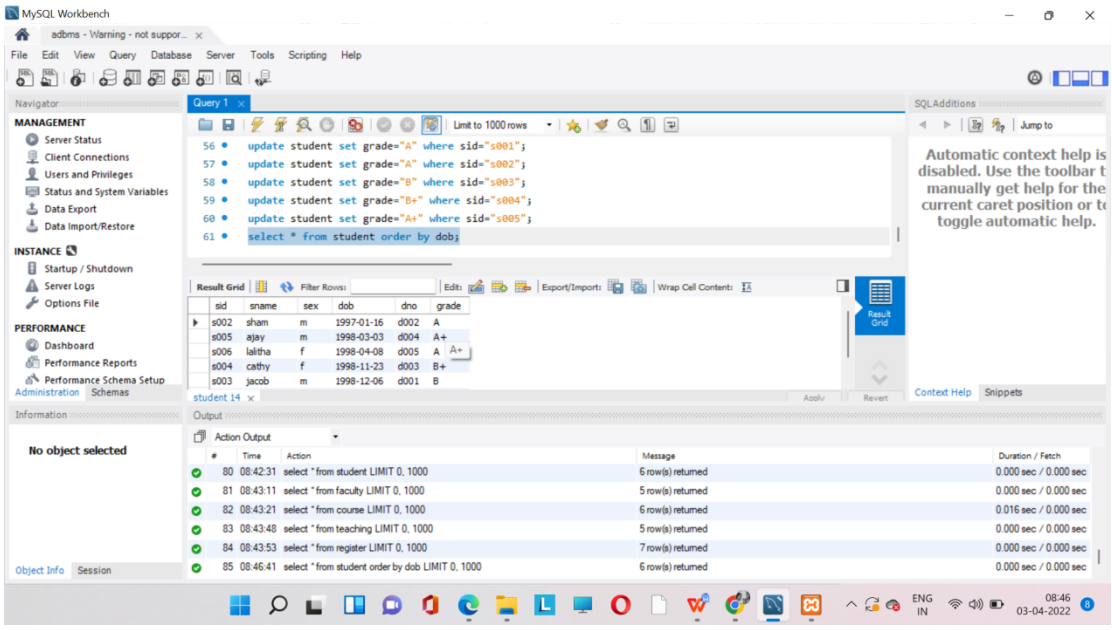

MySQL Workbench
adbms - Warning - not suppor...
File Edit View Query Database Server Tools Scripting Help
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
Administration Schemas
Information
No object selected
Object Info Session
Query 1
Limit to 1000 rows
49 select * from student;
50 select * from faculty;
51 select * from course;
52 select * from teaching;
53 select * from register;
54 alter table student add grade varchar(5) not null;
Result Grid
Filter Rows:
Edit: Export/Import: Wrap Cell Content:
sid sname sex dob dno grade
s001 sharanya f 1998-12-26 d001 A
s002 sham m 1997-01-16 d002 A
s003 jacob m 1998-12-06 d001 B
s004 cathy f 1998-11-23 d003 B+
s005 ajay m 1998-03-03 d004 A+
student 9
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
75 08:41:11 insert into student values("s006","lalitha","f","1998-04-08","d005","A") 1 row(s) affected 0.016 sec
76 08:41:37 insert into course values("c006","basics humanities",10,"d005") 1 row(s) affected 0.016 sec
77 08:41:46 insert into register values("s006","c006","1") 1 row(s) affected 0.000 sec
78 08:41:56 insert into teaching values("f005","c006","1") 1 row(s) affected 0.016 sec
79 08:42:02 insert into hostel values("h005","mixed hostel",25) 1 row(s) affected 0.000 sec
80 08:42:31 select * from student LIMIT 0, 1000 6 row(s) returned 0.000 sec / 0.000 sec
ENG IN
08:43
03-04-2022

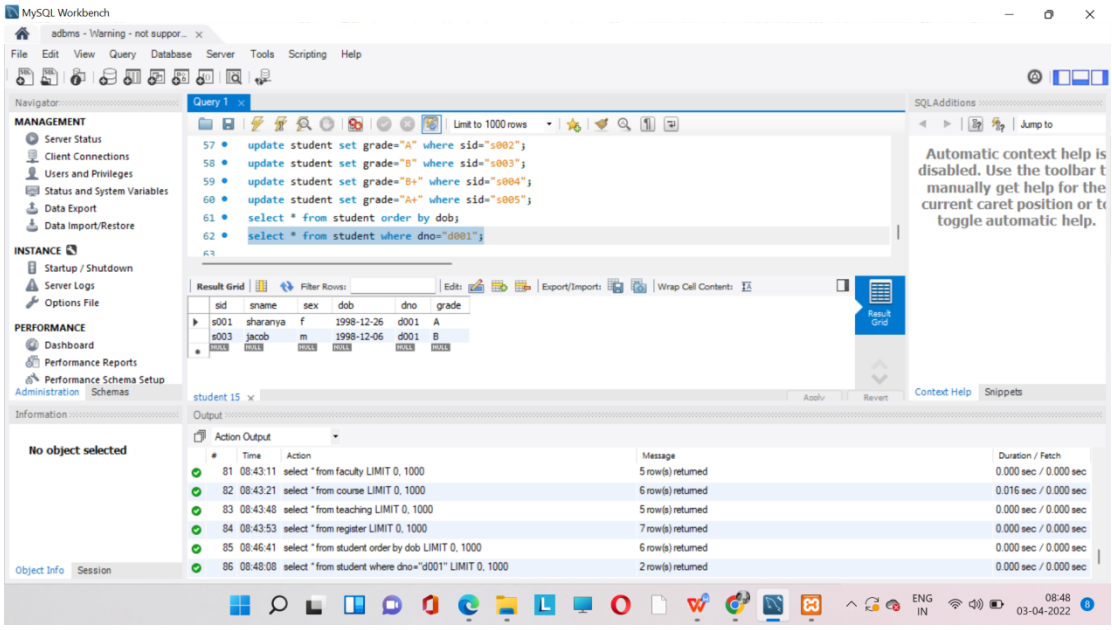

MySQL Workbench
adbms - Warning - not suppor...
File Edit View Query Database Server Tools Scripting Help
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
Administration Schemas
Information
No object selected
Object Info Session
Query 1
Limit to 1000 rows
49 select * from student;
50 select * from faculty;
51 select * from course;
52 select * from teaching;
53 select * from register;
54 alter table student add grade varchar(5) not null;
Result Grid
Filter Rows:
Edit: Export/Import: Wrap Cell Content:
fid fname designation salary dno
f001 manav associate professor 50000 d001
f002 asha associate professor 40000 d002
f003 sree asisstant professor 100000 d003
f004 akash associate professor 50000 d004
f005 lena associate professor 50000 d005
faculty 10
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
76 08:41:37 insert into course values("c006","basics humanities",10,"d005") 1 row(s) affected 0.016 sec
77 08:41:46 insert into register values("s006","c006","1") 1 row(s) affected 0.000 sec
78 08:41:56 insert into teaching values("f005","c006","1") 1 row(s) affected 0.016 sec
79 08:42:02 insert into hostel values("h005","mixed hostel",25) 1 row(s) affected 0.000 sec
80 08:42:31 select * from student LIMIT 0, 1000 6 row(s) returned 0.000 sec / 0.000 sec
81 08:43:11 select * from faculty LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
ENG IN
08:43
03-04-2022

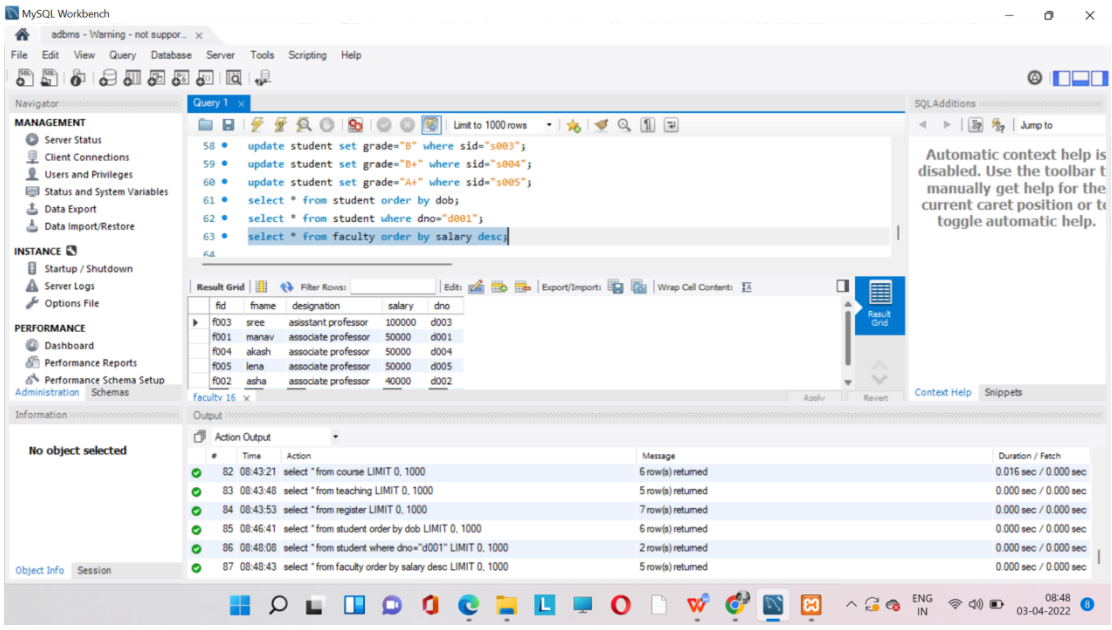

MySQL Workbench
adbms - Warning - not suppor...
File Edit View Query Database Server Tools Scripting Help
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
Administration Schemas
Information
No object selected
Object Info Session
Query 1
Limit to 1000 rows
49 select * from student;
50 select * from faculty;
51 select * from course;
52 select * from teaching;
53 select * from register;
54 alter table student add grade varchar(5) not null;
Execute the selected portion of the script or everything, if there is no selection
Result Grid
Filter Rows:
Edit: Export/Import: Wrap Cell Content:
cid cname credits dno
c001 differenciation 10 d002
c002 java 10 d001
c003 anatomy 10 d004
c004 grammar 5 d003
c005 networks 10 d001
course 11
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
77 08:41:46 insert into register values("s006","c006","1") 1 row(s) affected 0.000 sec
78 08:41:56 insert into teaching values("f005","c006","1") 1 row(s) affected 0.016 sec
79 08:42:02 insert into hostel values("h005","mixed hostel",25) 1 row(s) affected 0.000 sec
80 08:42:31 select * from student LIMIT 0, 1000 6 row(s) returned 0.000 sec / 0.000 sec
81 08:43:11 select * from faculty LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
82 08:43:21 select * from course LIMIT 0, 1000 6 row(s) returned 0.016 sec / 0.000 sec
ENG IN
08:43
03-04-2022

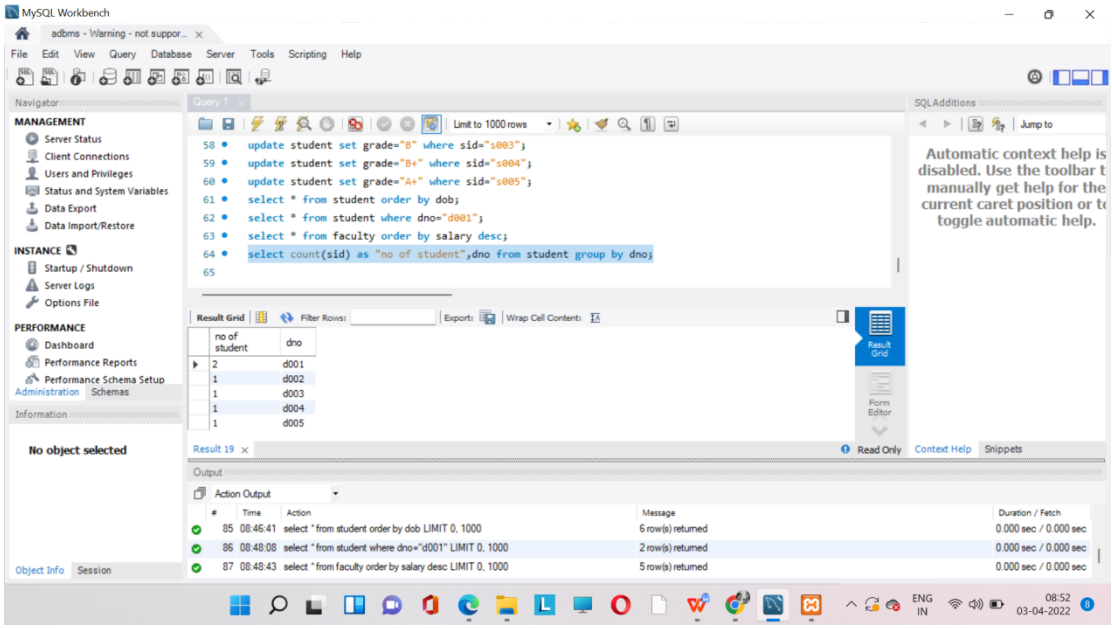

MySQL Workbench
adbms - Warning - not suppor...
File Edit View Query Database Server Tools Scripting Help
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Performance Schema Setup
Administration Schemas
Information
No object selected
Object Info Session
Query 1
Limit to 1000 rows
49 select * from student;
50 sel
51 select * from course;
52 select * from teaching;
53 select * from register;
54 alter table student add grade varchar(5) not null;
Execute the selected portion of the script or everything, if there is no selection
Result Grid
Filter Rows:
Export: Wrap Cell Content:
fid cid sem
f002 c001 2
f003 c004 2
f004 c003 1
f001 c002 1
f005 c006 1
teaching 12
Read Only
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
78 08:41:56 insert into teaching values("f005","c006","1") 1 row(s) affected 0.016 sec
79 08:42:02 insert into hostel values("h005","mixed hostel",25) 1 row(s) affected 0.000 sec
80 08:42:31 select * from student LIMIT 0, 1000 6 row(s) returned 0.000 sec / 0.000 sec
81 08:43:11 select * from faculty LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
82 08:43:21 select * from course LIMIT 0, 1000 6 row(s) returned 0.000 sec / 0.000 sec
83 08:43:48 select * from teaching LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
ENG IN
08:43
03-04-2022


MySQL Workbench
adbms - Warning - not suppor...
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
Object Info Session
Query 1
Limit to 1000 rows
49 select * from student;
50 select * from faculty;
51 select * from course;
52 select * from teaching;
53 select * from register;
54 alter table student add grade varchar(5) not null;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
sid cid sem
s001 c002 1
s001 c005 1
s002 c001 2
s005 c003 1
s004 c004 2
register 13
Read Only
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
79 08:42:02 insert into hostel values("h005","mixed hostel",25) 1 row(s) affected 0.000 sec
80 08:42:31 select * from student LIMIT 0, 1000 6 row(s) returned 0.000 sec / 0.000 sec
81 08:43:11 select * from faculty LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
82 08:43:21 select * from course LIMIT 0, 1000 6 row(s) returned 0.016 sec / 0.000 sec
83 08:43:48 select * from teaching LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
84 08:43:53 select * from register LIMIT 0, 1000 7 row(s) returned 0.000 sec / 0.000 sec
ENG IN
08:43
03-04-2022


MySQL Workbench
adbms - Warning - not suppor...
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
Object Info Session
Query 1
Limit to 1000 rows
56 update student set grade="A" where sid="s001";
57 update student set grade="A" where sid="s002";
58 update student set grade="B" where sid="s003";
59 update student set grade="B+" where sid="s004";
60 update student set grade="A+" where sid="s005";
61 select * from student order by dob;
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
sid sname sex dob dno grade
s002 sham m 1997-01-16 d002 A
s005 ajay m 1998-03-03 d004 A+
s006 lalitha f 1998-04-08 d005 A
s004 cathy f 1998-11-23 d003 B+
s003 jacob m 1998-12-06 d001 B
student 14
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
80 08:42:31 select * from student LIMIT 0, 1000 6 row(s) returned 0.000 sec / 0.000 sec
81 08:43:11 select * from faculty LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
82 08:43:21 select * from course LIMIT 0, 1000 6 row(s) returned 0.016 sec / 0.000 sec
83 08:43:48 select * from teaching LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
84 08:43:53 select * from register LIMIT 0, 1000 7 row(s) returned 0.000 sec / 0.000 sec
85 08:46:41 select * from student order by dob LIMIT 0, 1000 6 row(s) returned 0.000 sec / 0.000 sec
ENG IN
08:46
03-04-2022


MySQL Workbench
adbms - Warning - not suppor...
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
Object Info Session
Query 1
Limit to 1000 rows
57 update student set grade="A" where sid="s002";
58 update student set grade="B" where sid="s003";
59 update student set grade="B+" where sid="s004";
60 update student set grade="A+" where sid="s005";
61 select * from student order by dob;
62 select * from student where dno="d001";
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
sid sname sex dob dno grade
s001 sharanya f 1998-12-26 d001 A
s003 jacob m 1998-12-06 d001 B
student 15
Output
Action Output
Time Action Message Duration / Fetch
81 08:43:11 select * from faculty LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
82 08:43:21 select * from course LIMIT 0, 1000 6 row(s) returned 0.016 sec / 0.000 sec
83 08:43:48 select * from teaching LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
84 08:43:53 select * from register LIMIT 0, 1000 7 row(s) returned 0.000 sec / 0.000 sec
85 08:46:41 select * from student order by dob LIMIT 0, 1000 6 row(s) returned 0.000 sec / 0.000 sec
86 08:48:08 select * from student where dno="d001" LIMIT 0, 1000 2 row(s) returned 0.000 sec / 0.000 sec
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
ENG IN
08:48 03-04-2022


MySQL Workbench
adbms - Warning - not suppor...
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
Object Info Session
Query 1
Limit to 1000 rows
58 update student set grade="B" where sid="s003";
59 update student set grade="B+" where sid="s004";
60 update student set grade="A+" where sid="s005";
61 select * from student order by dob;
62 select * from student where dno="d001";
63 select * from faculty order by salary desc;
Result Grid
Filter Rows:
Edit:
Export/Import:
Wrap Cell Content:
fid fname designation salary dno
f003 sree asisstant professor 100000 d003
f001 manav associate professor 50000 d001
f004 akash associate professor 50000 d004
f005 lena associate professor 50000 d005
f002 asha associate professor 40000 d002
faculty 16
Output
Action Output
Time Action Message Duration / Fetch
82 08:43:21 select * from course LIMIT 0, 1000 6 row(s) returned 0.016 sec / 0.000 sec
83 08:43:48 select * from teaching LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
84 08:43:53 select * from register LIMIT 0, 1000 7 row(s) returned 0.000 sec / 0.000 sec
85 08:46:41 select * from student order by dob LIMIT 0, 1000 6 row(s) returned 0.000 sec / 0.000 sec
86 08:48:08 select * from student where dno="d001" LIMIT 0, 1000 2 row(s) returned 0.000 sec / 0.000 sec
87 08:48:43 select * from faculty order by salary desc LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help Snippets
ENG IN
08:48 03-04-2022


MySQL Workbench
adbms - Warning - not suppor...
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
Object Info Session
Query 1
Limit to 1000 rows
58 update student set grade="B" where sid="s003";
59 update student set grade="B+" where sid="s004";
60 update student set grade="A+" where sid="s005";
61 select * from student order by dob;
62 select * from student where dno="d001";
63 select * from faculty order by salary desc;
64 select count(sid) as "no of student",dno from student group by dno;
65
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
no of student
dno
2 d001
1 d002
1 d003
1 d004
1 d005
Result 19
Read Only
SQL Additions
Jump to
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Context Help
Snippets
Output
Action Output
Time Action Message Duration / Fetch
85 08:46:41 select * from student order by dob LIMIT 0, 1000 6 row(s) returned 0.000 sec / 0.000 sec
86 08:48:08 select * from student where dno="d001" LIMIT 0, 1000 2 row(s) returned 0.000 sec / 0.000 sec
87 08:48:43 select * from faculty order by salary desc LIMIT 0, 1000 5 row(s) returned 0.000 sec / 0.000 sec
ENG IN
08:52 03-04-2022

QUESTION 2 :

Queries using aggregate functions(COUNT,AVG,MIN,MAX,SUM),Group by,Order by,Having.

E_ID	E_NAME	AGE	SALARY
101	ANU	22	9000
102	Shane	29	8000
103	Rohan	34	6000
104	Scott	44	10000
105	Tiger	35	8000
106	Alex	27	7000
107	Abhi	29	8000

(i) Create Employee table containing all Records.

(ii) Count number of employee names from employee table.

(iii) Find the Maximum age from employee table

(iv) Find the Minimum age from employee table.

(v) Display the Sum of age employee table.

(vi) Display the Average of age from Employee table

(vii) Create a View for age in employee table

(viii) Display views

(ix) Find grouped salaries of employees.

(x) Find salaries of employee in Ascending Order

(xi) Find salaries of employee in Descending Order

Script:

(i) Query :

```
CREATE DATABASE EMPLOYEE;
USE EMPLOYEE;
CREATE TABLE Employee(
E_ID INT(25),
E_NAME VARCHAR(25),
AGE INT(10),
SALARY FLOAT(10),
PRIMARY KEY(E_ID));
```

Inserting rows :

```
INSERT INTO Employee VALUES (101,"ANU",22,9000);
INSERT INTO Employee VALUES (102,"SHANE",29,8000);
INSERT INTO Employee VALUES (103,"ROHAN",34,6000);
INSERT INTO Employee VALUES (104,"SCOTT",44,10000);
INSERT INTO Employee VALUES (105,"TIGER",35,8000);
INSERT INTO Employee VALUES (106,"ALEX",27,7000);
INSERT INTO Employee VALUES (107,"ABHI",29,8000);
```

(ii) Query :

```
SELECT COUNT(E_NAME) FROM Employee;
```

(iii) Query :

```
SELECT MAX(AGE) FROM Employee;
```

(iv) Query :

```
SELECT MIN(AGE) FROM Employee;
```

(v) Query :

```
SELECT SUM(AGE) FROM Employee;
```

(vi) Query :

```
SELECT AVG(AGE) FROM Employee;
```

(vii) Query :

```
CREATE VIEW E_AGE AS
SELECT E_NAME,AGE FROM Employee;
```

(viii) Query :

```
SELECT * FROM E_AGE;
```

(ix) Query :

```
SELECT E_NAME,SALARY FROM Employee GROUP BY E_NAME;
```

(x) Query :

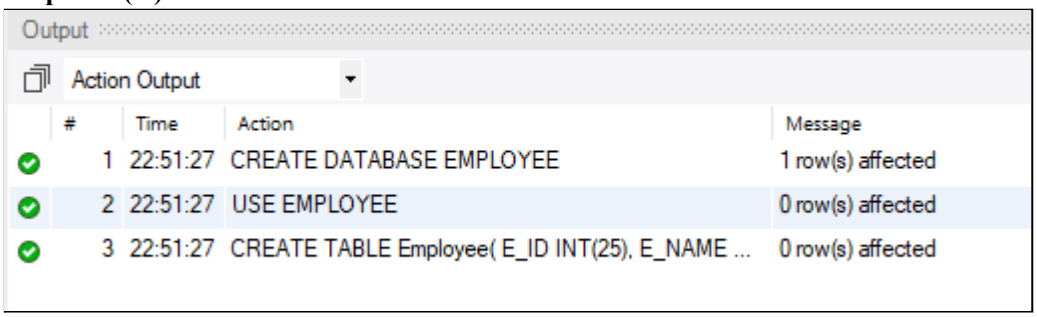
```
SELECT SALARY FROM Employee ORDER BY SALARY ASC;
```

(xi) Query :

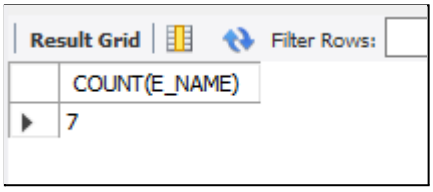
```
SELECT SALARY FROM Employee ORDER BY SALARY DESC;
```

OUTPUT

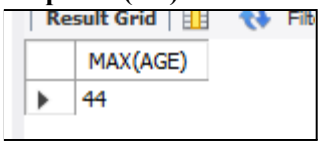
Output of (i)



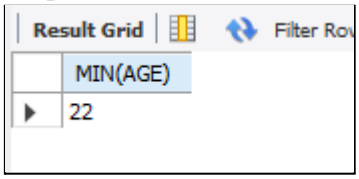
Output of (ii)



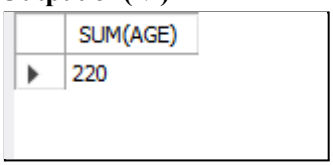
Output of (iii)



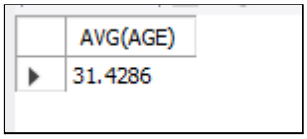
Output of (iv)



Output of (v)



Output of (vi)



Output of (vii)

Output

Action Output

#	Time	Action	Message
1	22:57:15	CREATE VIEW E_AGE AS SELECT E_NAME,AGE F...	0 row(s) affected

Output of (viii)

E_NAME	AGE
ANU	22
SHANE	29
ROHAN	34
SCOTT	44
TIGER	35
ALEX	27
ABHI	29

Output of (ix)

E_NAME	SALARY
ABHI	8000
ALEX	7000
ANU	9000
ROHAN	6000
SCOTT	10000
SHANE	8000
TIGER	8000

Output of (x)

SALARY
6000
7000
8000
8000
8000
9000
10000

Output of (xi)

	SALARY
▶	10000
	9000
	8000
	8000
	8000
	7000
	6000