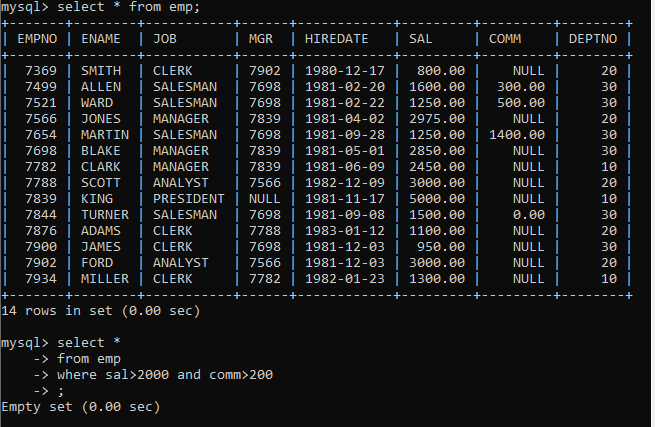
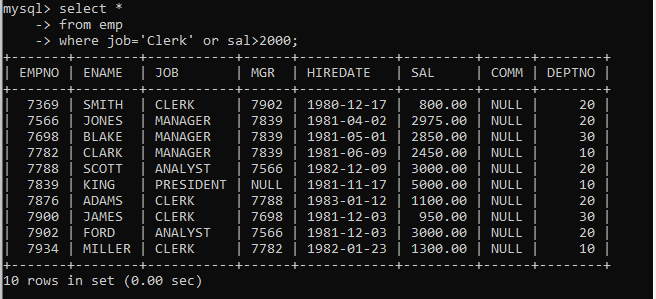
**MySQL Assignment- (1-4)**

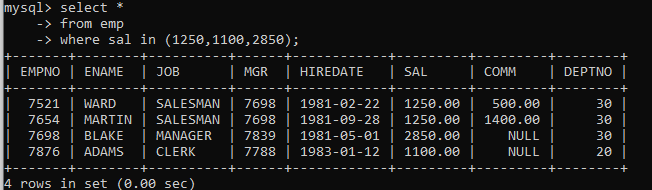
1. To list all records with sal > 2000 and comm>200



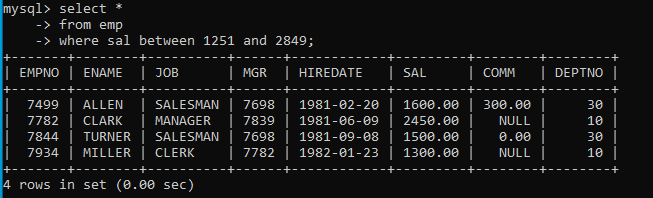
2. To list all record with job=’Clerk’ or sal>2000



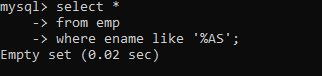
3. To list all the record with sal=1250 or 1100 or 2850

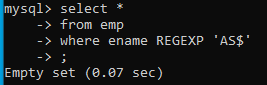


4. To list all employees with sal>1250 and <2850

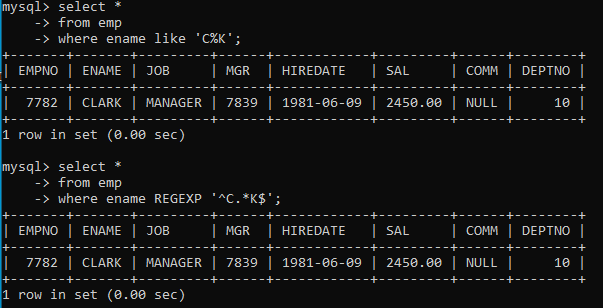


5. To list all employees with name ends with AS



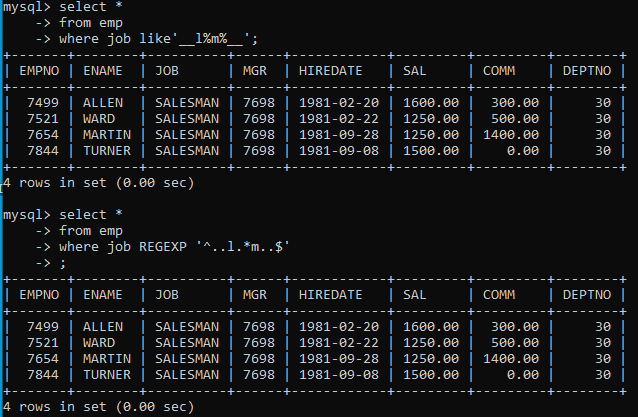


6. To list all employees with job starts with C and ends with K

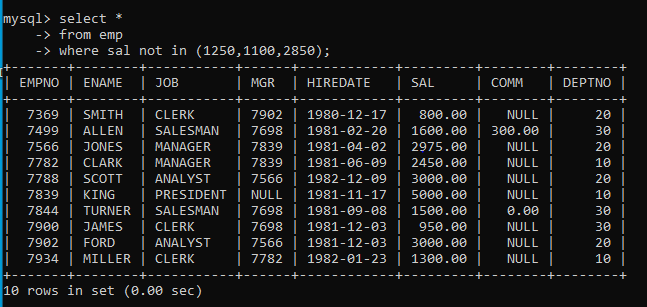


7. To list all employees with job contains L at third position and

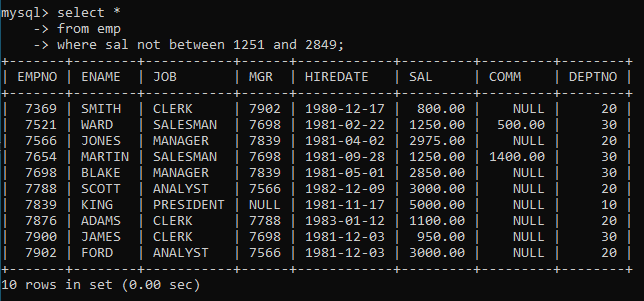
M at third last position



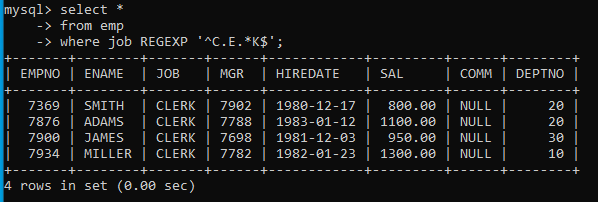
8. To list all the record with sal not equal to 1250 or 1100 or 2850

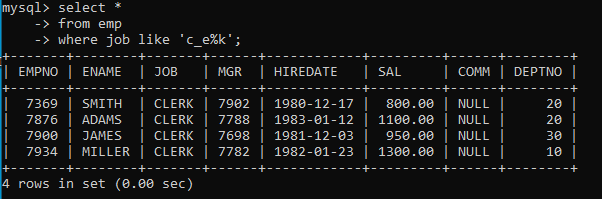


9. To list all employees with salnot >1250 and <2850

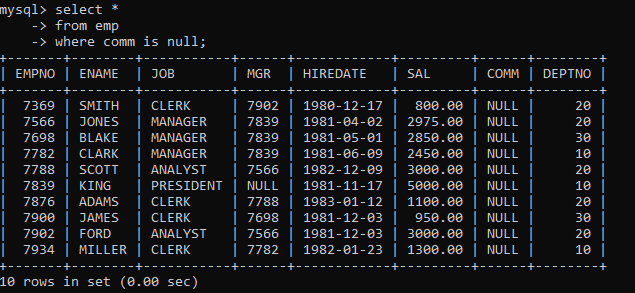


10. To list all employees with job starts with C , E at 3rd position and ends with K

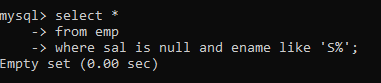




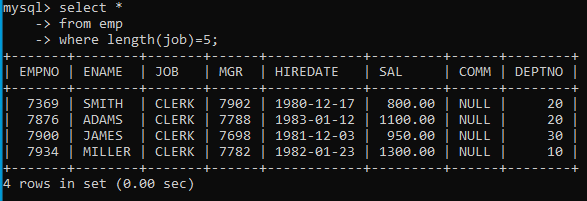
11. To list all rows with comm is null



12. To list all employees with sal is null and name starts with ‘S’

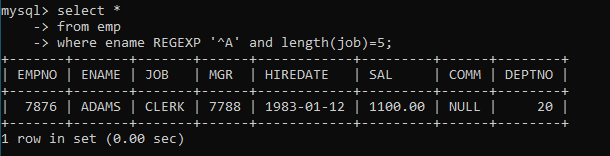


13. To list all employees with job contains 5 characters



14. To list all employees with name contain ‘A’ at 1 position and job

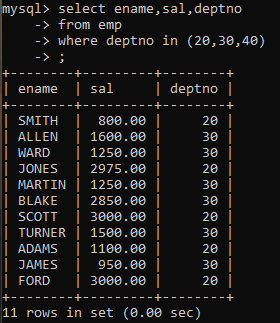
Contains 5 characters



Q2. Solve the following

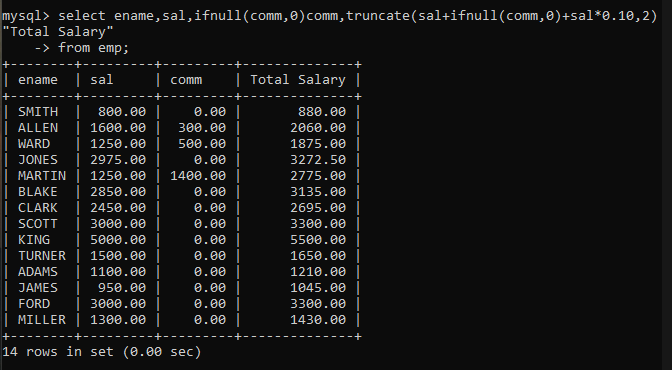
1. Retrieve the details (Name, Salary and dept no) of the emp who are working in

department code 20, 30 and 40.



2. Display the total salary of all employees . Total salary will be calculated as

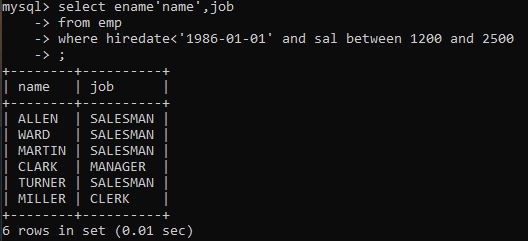
sal+comm+sal\*0.10



3. List the Name and job of the emp who have joined before 1 jan 1986 and whose

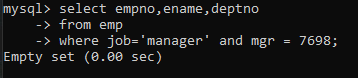
salary range is between 1200and 2500. Display the columns with user defined Column

headers.



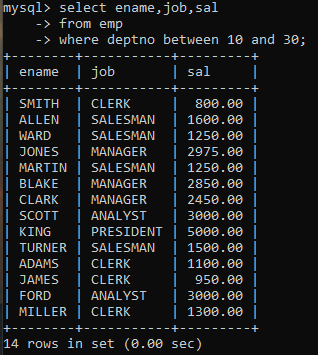
4. List the empno, name, and department number of the emp works under manager

with id 7698



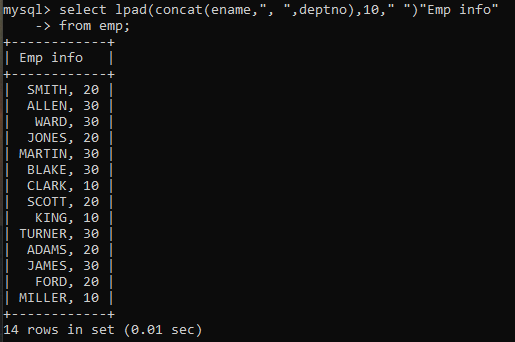
5. List the name, job, and salary of the emp who are working in departments 10 and

30.

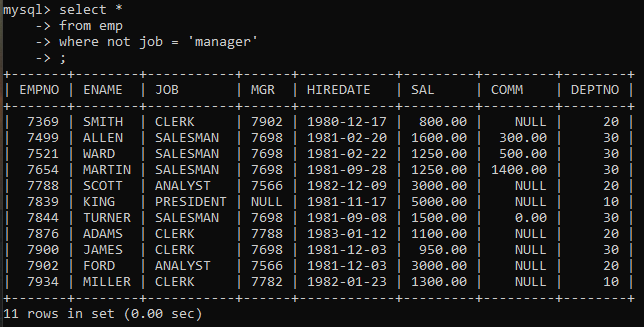


6. Display name concatenated with dept code separated by comma and space. Name

the column as ‘Emp info’.



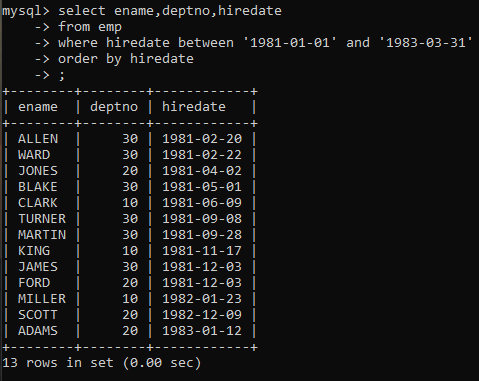
1. Display the emp details who do not have manager.



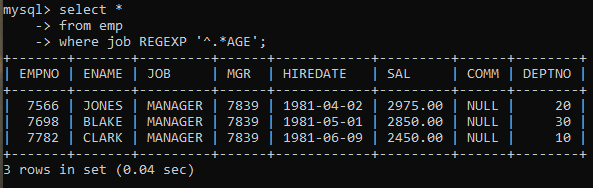
8. Write a query which will display name, department no and date of joining of all

employee who were joined January 1, 1981 and March 31, 1983. Sort it based on date of

joining (ascending).

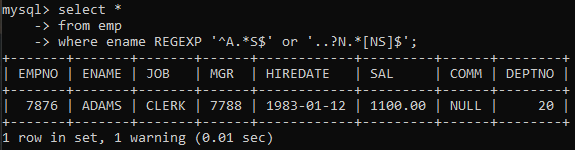


1. Display the employee details where the job contains word ‘AGE’ anywhere in the Job

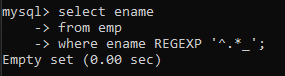


11. List the details of the employee , whose names start with ‘A’ and end with ‘S’ or

whose names contains N as the second or third character, and ending with either ‘N’ or ‘S’.



1. List the names of the emp having ‘\_’ character in their name.



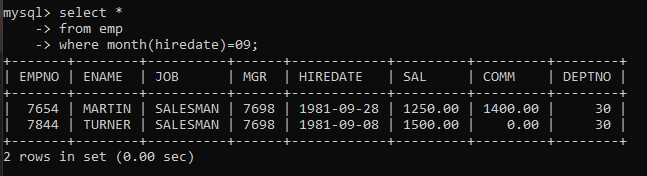
Single Row functions

1. To list all employees and their email, to generate email use 2 to 5 characters from ename

Concat it with 2 to 4 characters in job and then concat it with [‘@mycompany.com’](mailto:‘@mycompany.com’)

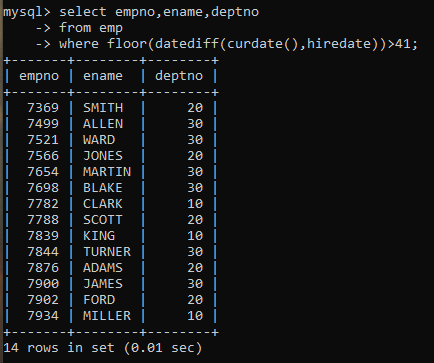


1. List all employees who joined in September.

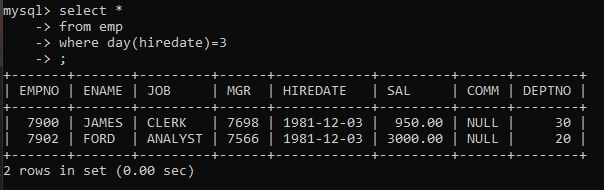


3. List the empno, name, and department number of the emp who have experience of 18 or

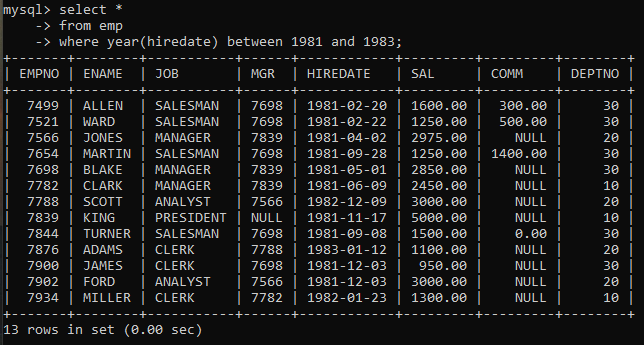
more years and sort them based on their experience.



1. Display the employee details who joined on 3rd of any month or any year



1. display all employees who joined between years 1981 to 1983.

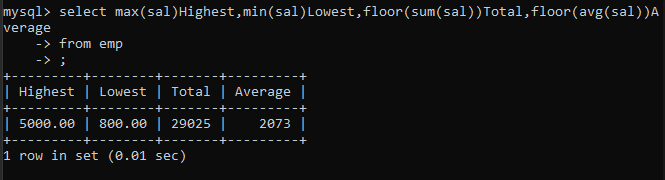


Group functions

1. Display the Highest, Lowest, Total & Average salary of all employee. Label the columns

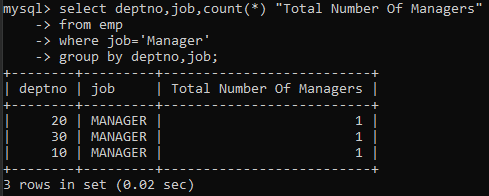
Maximum, Minimum, Total and Average respectively for each Department. Also round the

result to the nearest whole number.



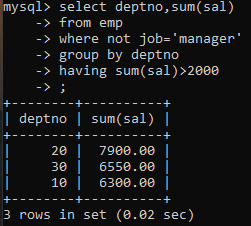
2. Display Department no and number of managers working in that department. Label the

column as ‘Total Number of Managers’ for each department.



3. Get the Department number, and sum of Salary of all non managers where the sum is

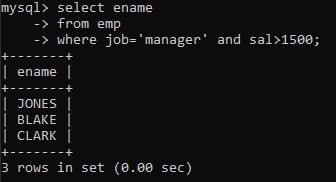
greater than 20000.

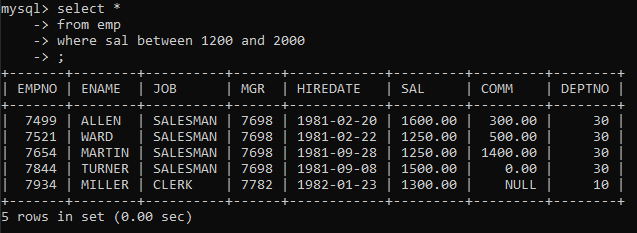


practice DQL statement

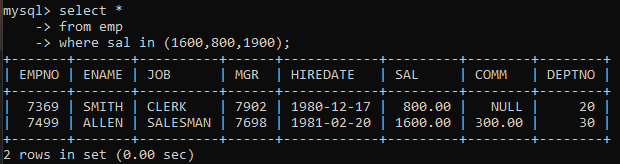
Write SQL statement for the following

1. To find all managers with salary >1500

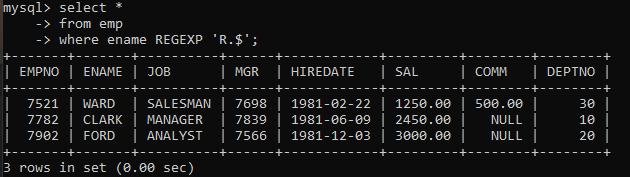


2. list all employees with sal >1200 and < 2000

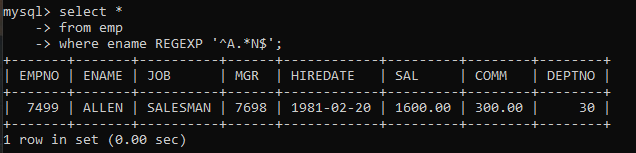
1. list all employees with sal is 1600 or sal is 800 or sal is 1900



1. list all employees with R at second last position in name

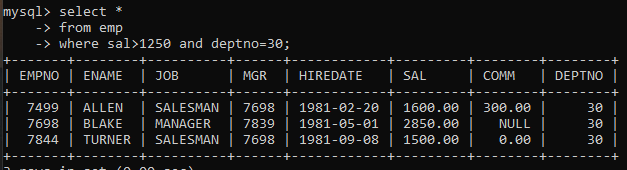


1. List all employees with name starts with A and ends with N

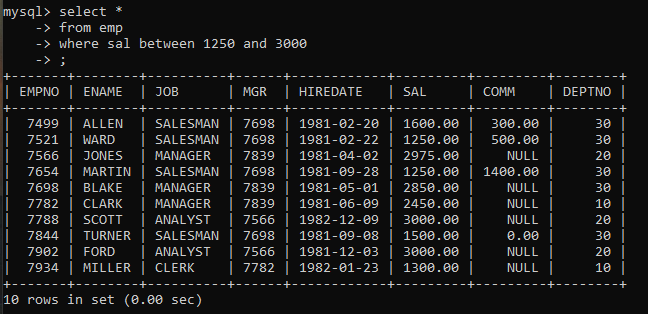


Q2. Solve following

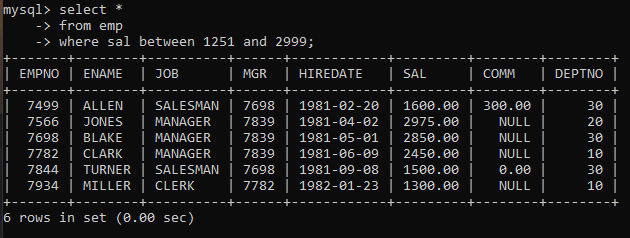
1. list all employees with salary > 1250 and dept no=30



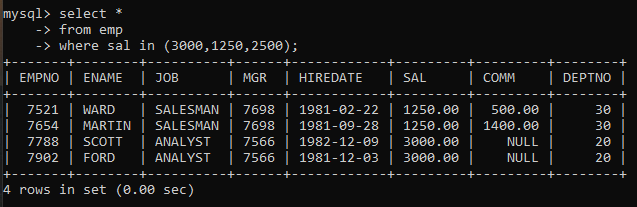
1. list all employees with salary >=1250 and <= 3000



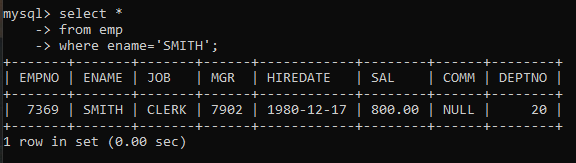
1. list all employees with salary >1250 and < 3000



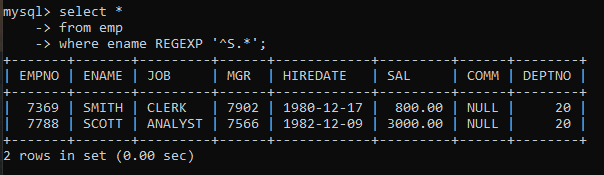
1. list all employees with salary either equal to 3000 or 1250 or 2500



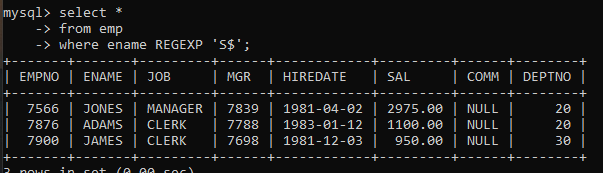
1. list all employee with name=SMITH



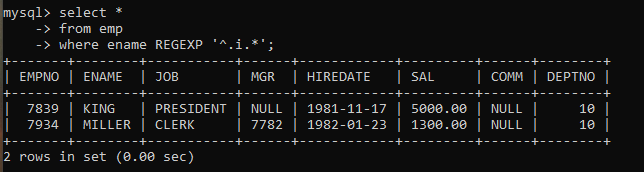
1. list all employees with name starting with S



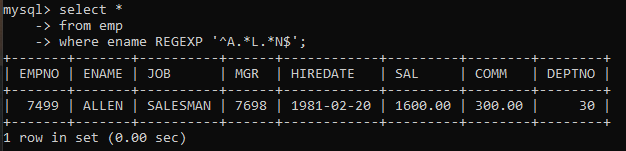
1. list all employees with name ending with S



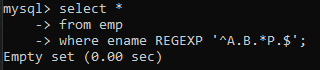
1. list all employees with name contains I at 2nd position



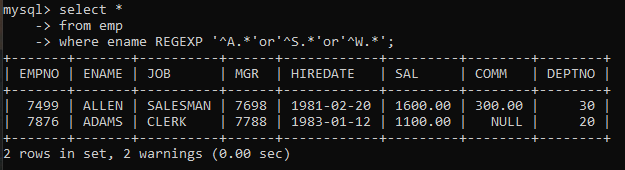
1. list all employees with name starts with A ends with N and somewhere in between L is there



1. list all employees with name starts with A and B at 3 rd position and P at second last position

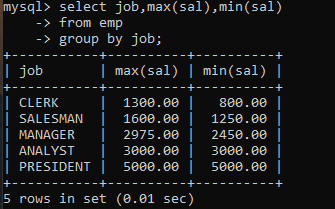


1. List all employees with name starts with either A or starts with S or starts with W

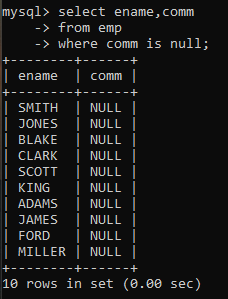


practice Aggregate functions

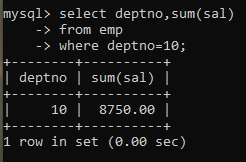
1. find max sal and min sal for each job



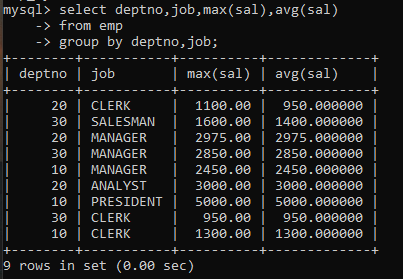
1. find how many employess have not received commission



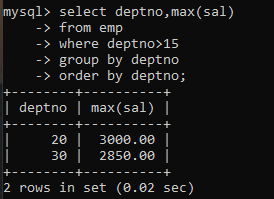
1. find sum of sal of all employees working in dept no 10



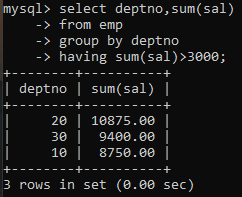
1. find maximum salary,average sal for each job in every department



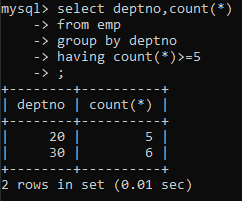
1. find max salary for every department if deptno is > 15 and arrange data in deptno order.



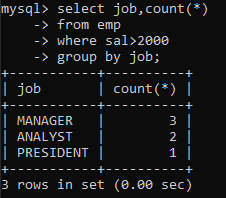
17. find sum salary for every department if sum is > 3000



18. list all department which has minimum 5 employees



19. count how many employees earn salary more than 2000 in each job

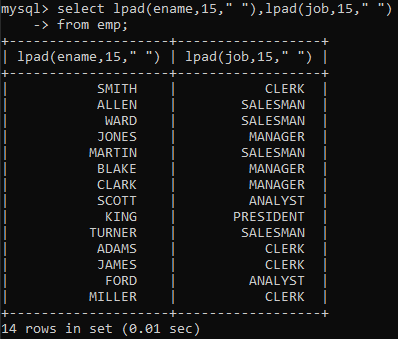


20. list all enames and jobs in small case letter

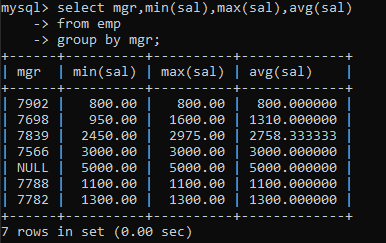


21. list all names and jobs so that the length of name should be 15 if it is smaller then add spaces

to left

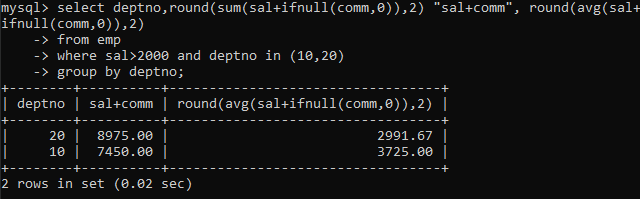


22. display min sal,max sal, average sal for all employees working under same manager

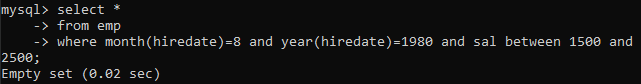


23. find sum of total earnings(sal+comm), average of sal+comm for all employees who earn sal >

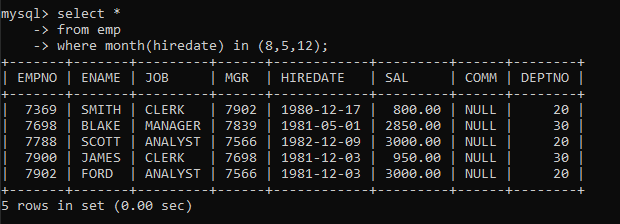
2000 and work in either dept no 10 or 20



24. list all employees who joined in Aug 1980 and salary is >1500 and < 2500

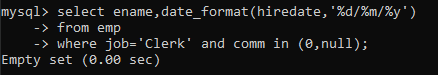


25. list all employees joined in either aug or may or dec



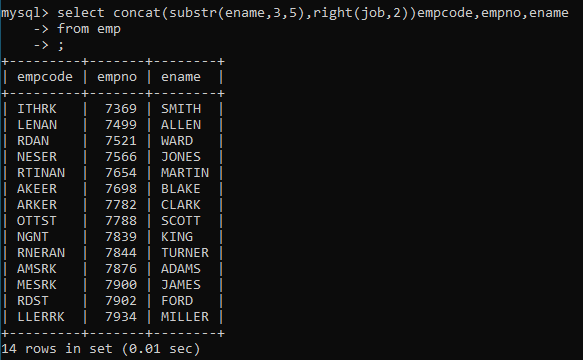
26. display name and hiredate in dd/mm/yy format for all employees whose job is clerk and they

earn some commission



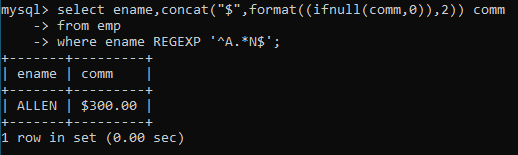
27. list empcode,empno,name and job for each employee. (note :empcode is 3 to 5 characters

from name and last 2 characters of job)



28. display thousand separator and $ symbol for commission if it is null then display it as 0 for all

employees whose name starts with A and ends with N

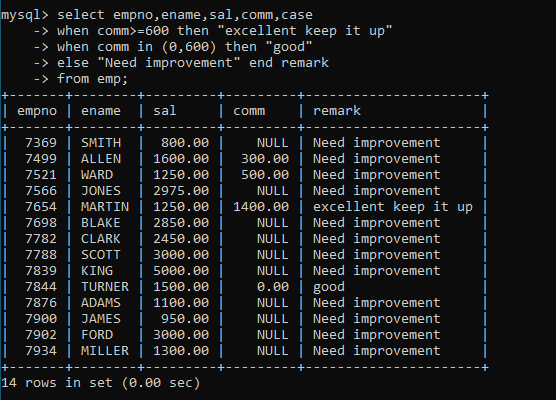


29. Display empid,name,sal,comm,remark Remark should base on following conditions

comm >= 600 "excellent Keep it up"

if it < 600 or not null "good"

otherwise "Need improvement"



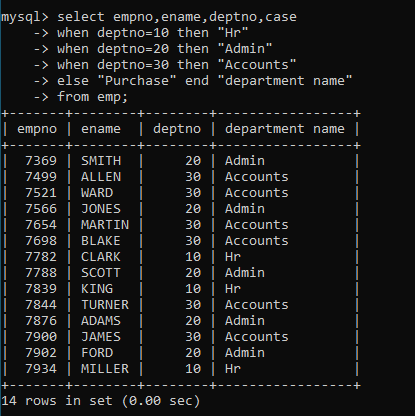
30. Display empid, name, deptno and department name by using following conditions.

dept 10 then "Hr"

if 20 then "Admin"

if 30 then "accounts"

otherwise purchase



Topic ----------------- create Table, DML , subquery and joins

31. Practice creating following tables

MySQL syntax:

create table mydept\_DBDA

(

deptid int primary key,

dname varchar(20) not null unique,

dloc varchar(20)

)

Oracle syntax:

create table mydept\_DBDA

(

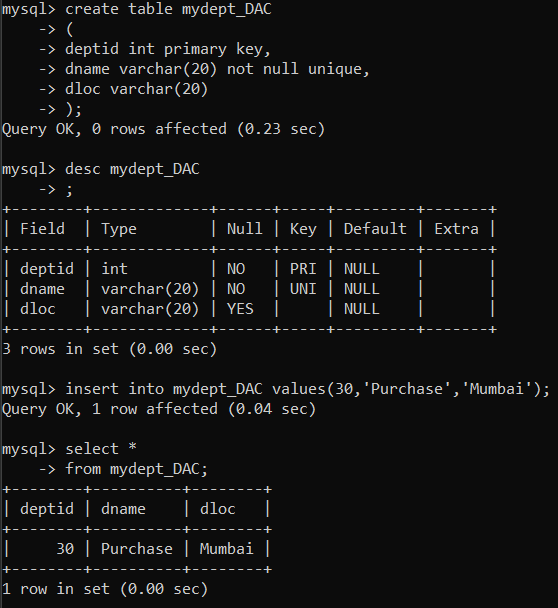
deptid number primary key,

dname varchar2(20) not null unique,

dloc varchar2(20)

)

insert into mydept\_DBDA values(30,'Purchase','Mumbai');



MySql syntax:

create table myemployee

(

empno int primary key,

fname varchar(15) not null,

mname varchar(15),

lname varchar(15) not null,

sal float(9,2) check(sal >=1000),

doj date,

passportnum varchar(15) unique,

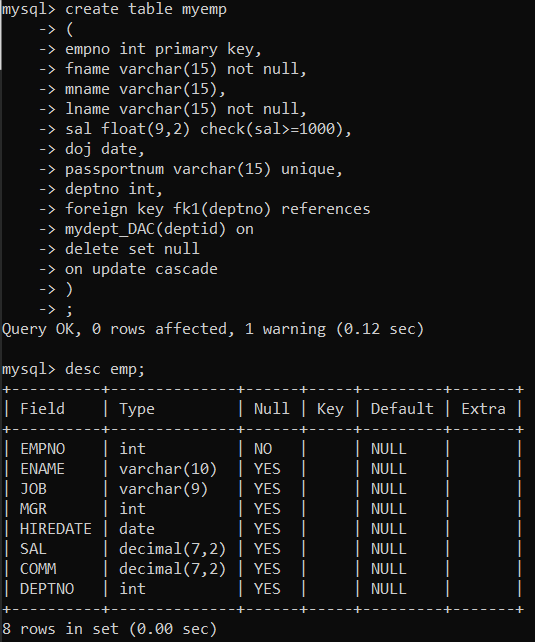
deptno int,

constraint fk\_deptno foreign key(deptno) references mydept\_DBDA(deptid) on

delete set null

on update cascade

)



Oracle syntax:

create table myemployee

(

empno number(5) primary key,

fname varchar2(15) not null,

mname varchar2(15),

lname varchar2(15) not null,

sal number(9,2) check(sal >=1000),

doj date default sysdate,

passportnum varchar2(15) unique,

deptno number constraint fk\_deptno references mydept\_DBDA(deptid) on delete

cascade

)

32. Create following tables Student, Course

Student (sid,sname) ---------------- sid ---primary key

Course(cid,cname)-------------- cid ---primary key

Marks(studid,courseid,marks)

Sample data for marks table

studid,courseid,marks

1 1 99

1 3 98

2 1 95

2 2 97

create table marks(

studid number,

courseid number,

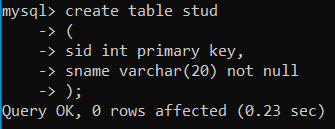
marks number,

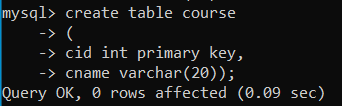
constraint pk primary key(studid,courseid),

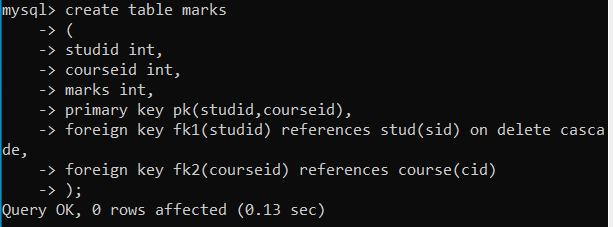
constraint fk\_sid foreign key (studid) references student(sid) on delete cascade,

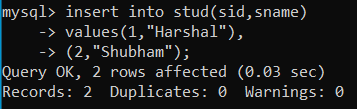
constraint fk\_cid foreign key (courseid) references course(cid)

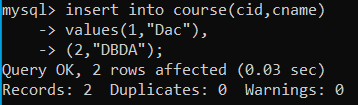
)

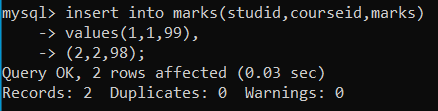


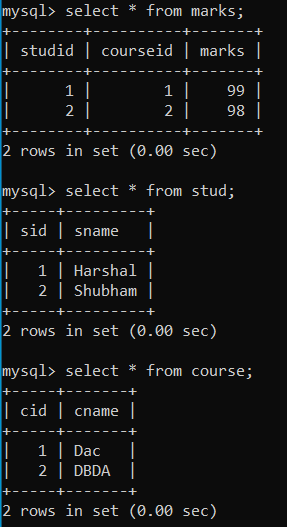












33. Create empty table emp10 with table structure same as emp table.

create table emp10 as

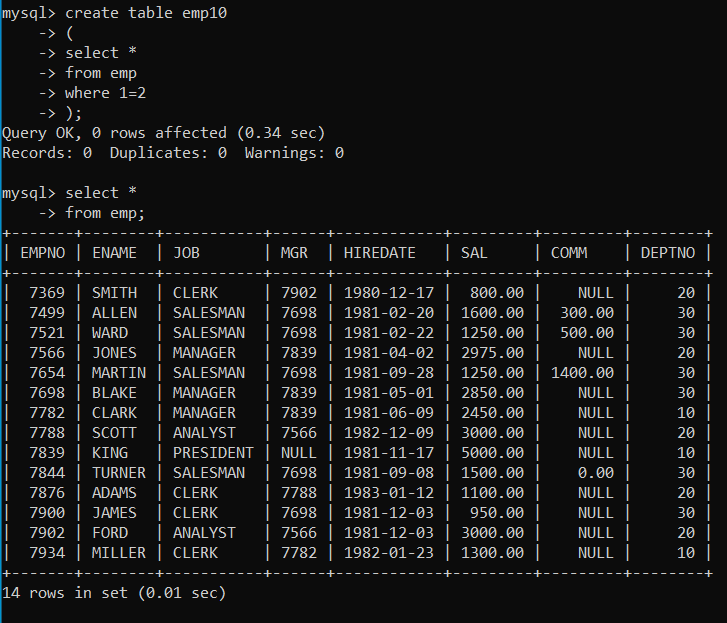
(

select \*

from emp

where 1=2

);



34. Solve following using alter table

add primary key constraint on emp,dept,salgrade

emp ----→ empno

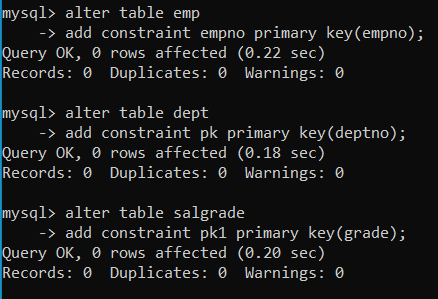
dept---→ deptno

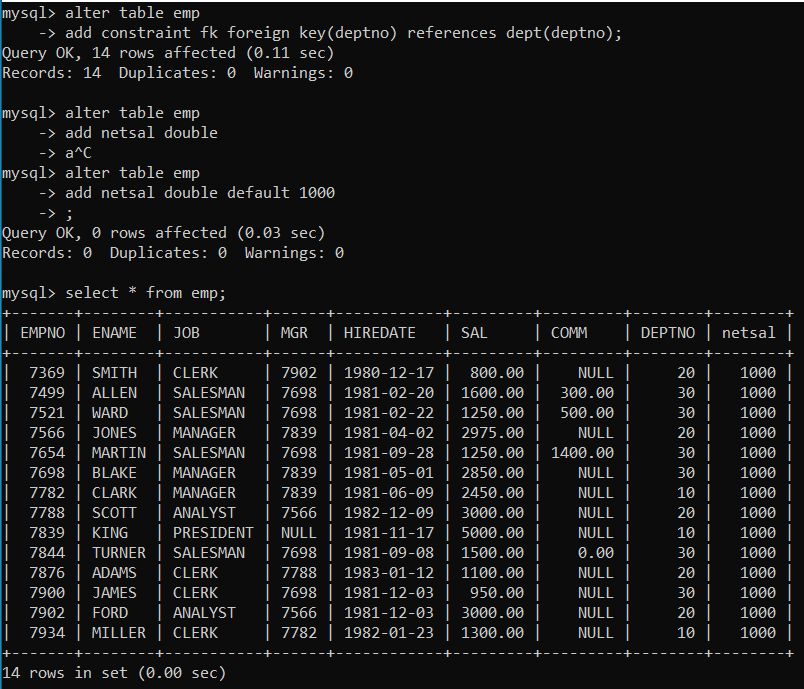
salgrade---→ grade

add foreign key constarint in emp

deptno --->> dept(deptno)

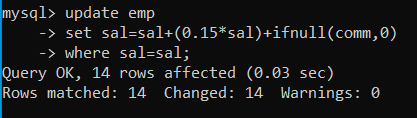
add new column in emp table netsal with constraint default 1000

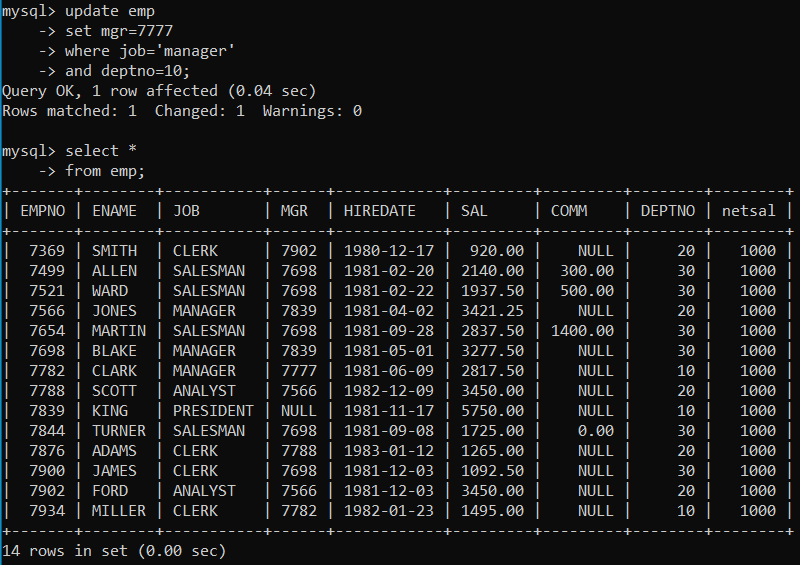




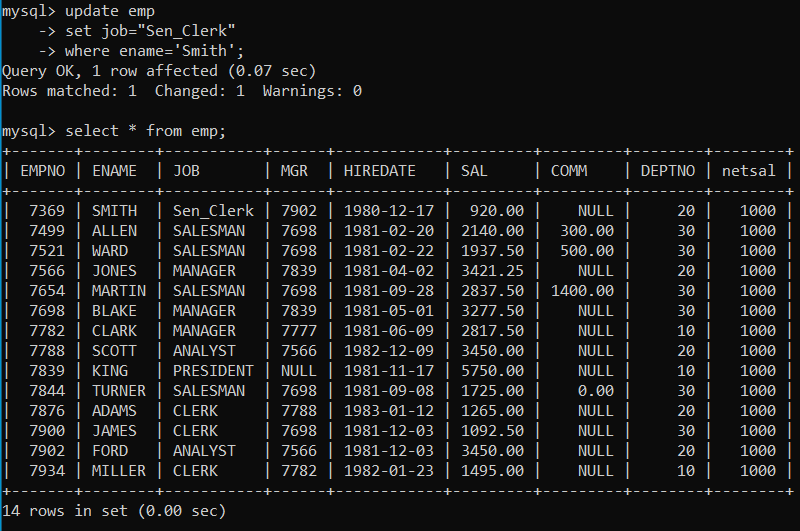
35. Update employee sal ---- increase sal of each employee by 15 % sal +comm, change the job to

manager and mgr to 7777 for all employees in deptno 10.

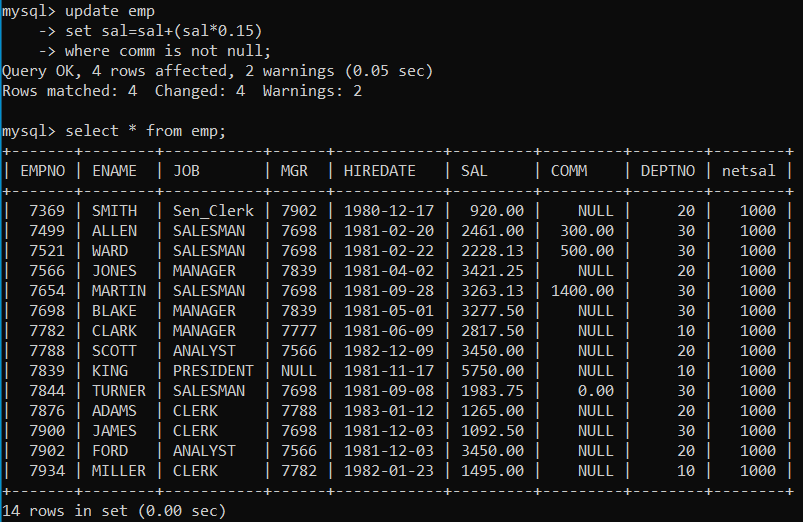




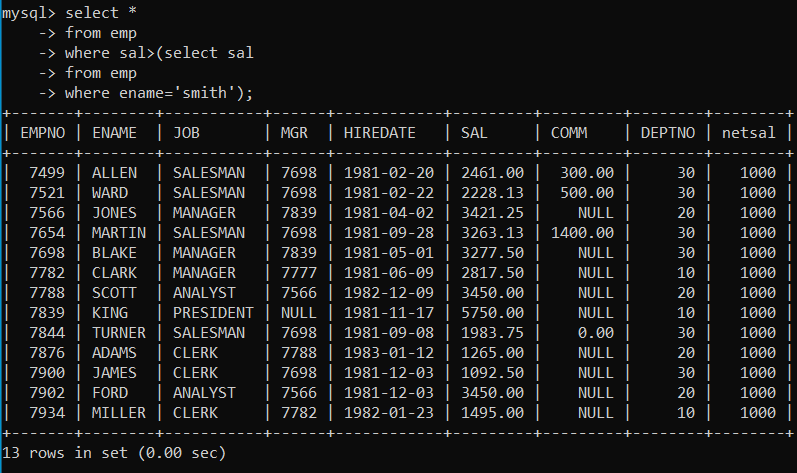
36. change job of smith to senior clerk



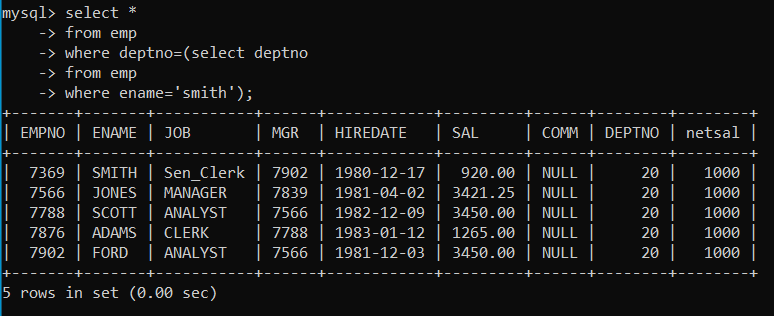
37. increase salary of all employees by 15% if they are earning some commission



38. list all employees with sal>smith's sal

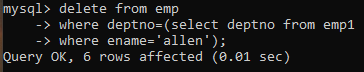


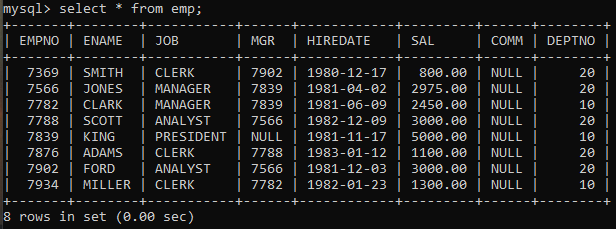
39. list all employees who are working in smith's department



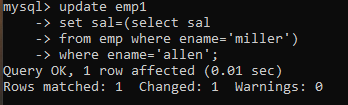
40. list all employees with sal < rajan's sal and salary > revati's sal

1. delete all employees working in alan's department

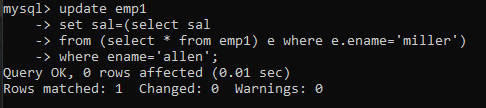




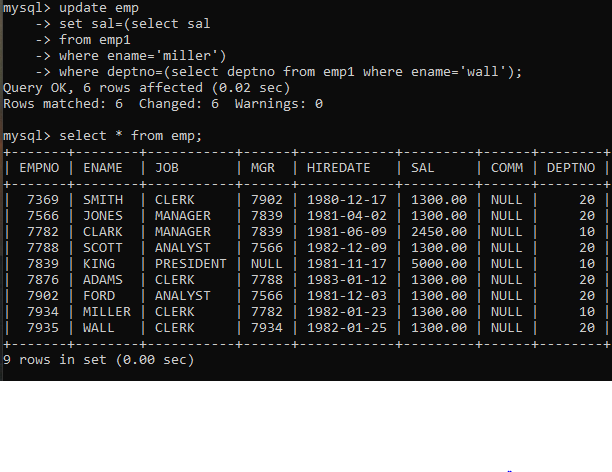
1. change salary of Alan to the salary of Miller.



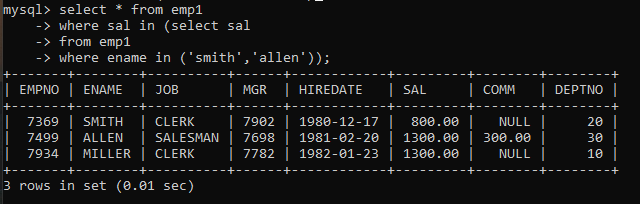
or



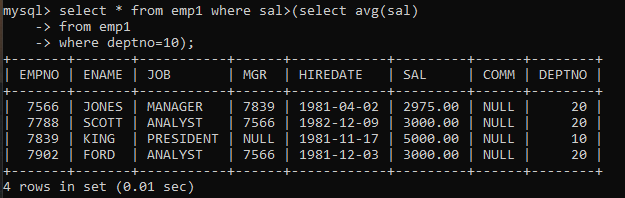
1. change salary of all emplees who working in Wall's department to the salary of Miller.



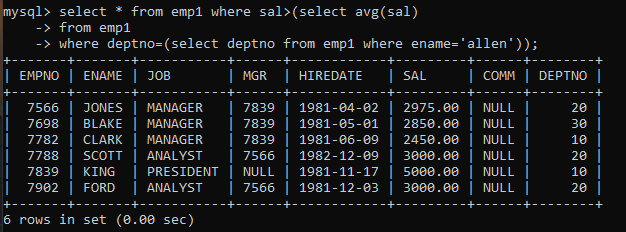
1. list all employees with salary > either Smith's salary or alan's sal



1. list all employees who earn more than average sal of dept 10

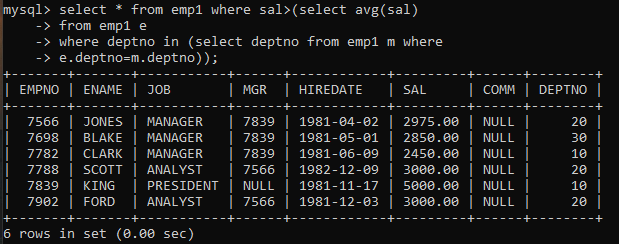


1. list all employees who earn more than average sal of Alan's department

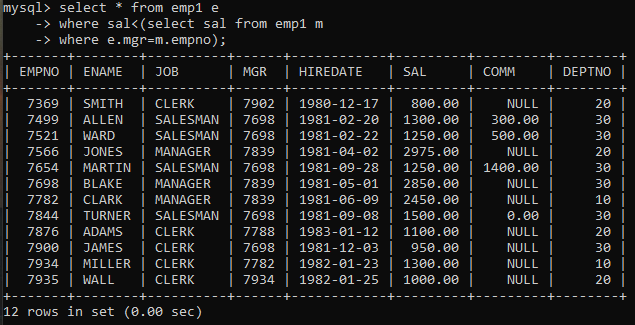


1. list all employees who are working in purchase department

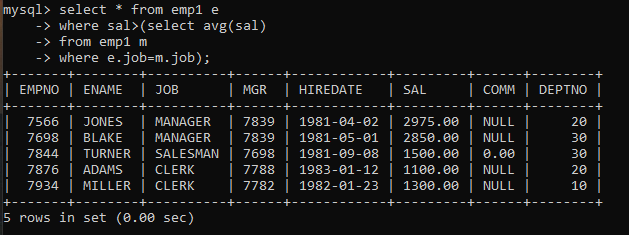
48. list all employees who earn more than average salary of their own department



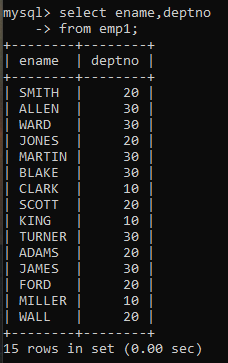
49.list all employees who earn sal < than their managers salary



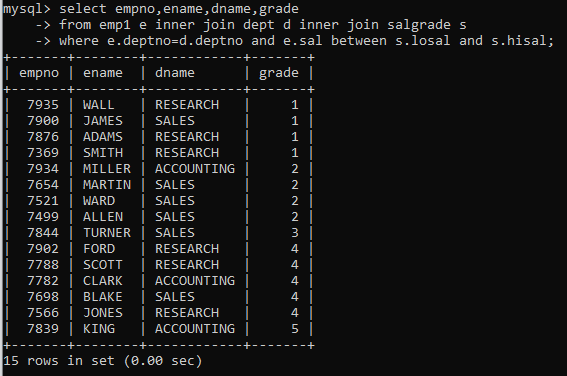
50.list all employees who are earning more than average salary of their job



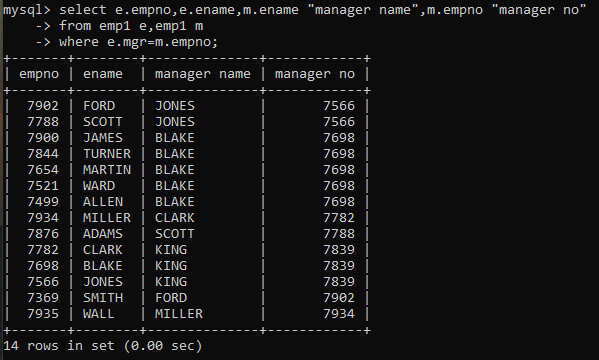
51.display employee name and department



1. display empno,name,department name and grade (use emp,dept and salgrade table)



1. Select list all employees number,name, mgrno and manager name



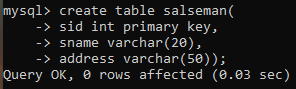
1. create following tables and solve following questions(primary keys are marked in yellow)

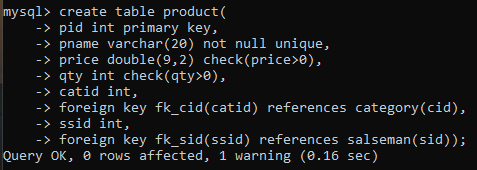
foreign keys are marked in green

product(pid,pname,price,qty,cid,sid)

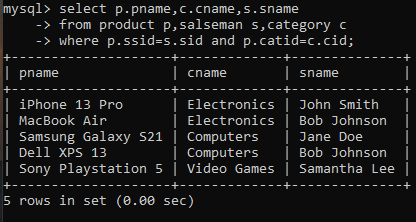
salesman (sid,sname,address)

category(cid,cnam,descritpion)

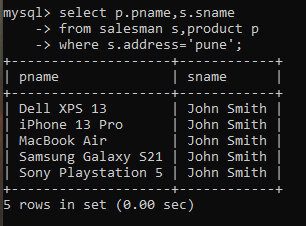




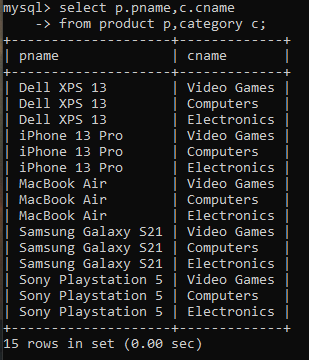
1. list all product name,their category name and name of a person, who sold that product



1. list all product name and salesman name for all salesman who stays in pune



1. list all product name and category name



55. create following tables and solve following questions(primary keys are marked in yellow)

foreign keys are marked in green

faculty(fid,fname,sp.skill1,sp.skill2)

courses(cid,cname,rid,fid)

room(roomid,rname,rloc)

faculty

fid fname spskill1 spskill2

10 kjzhcjhz a b

11 sdd x z

12 lksjk a x

13 ksdjlkj a b

courses

cid cname rid fid

121 DBDA 100 10

131 DAC 101

141 DTISS

151 DIOT 105 12

Room

roomid rname rloc

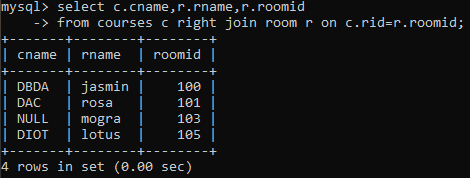
100 jasmin 1st floor

101 Rose 2nd floor

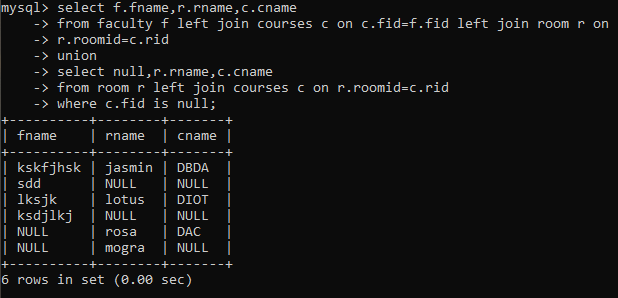
105 Lotus 1st floor

103 Mogra 1st floor

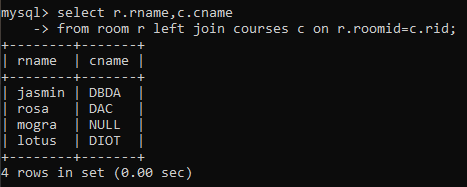
1. Display all courses and rooms which are assigned to courses and also display rooms which are available.



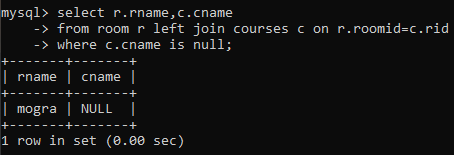
1. list all faculties who are not allocated to any course and rooms which are not allocated to any course



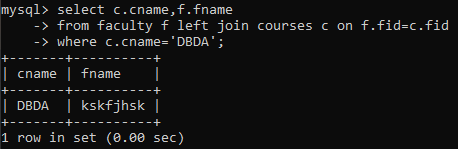
1. list all rooms which are allocated or not allocated to any courses



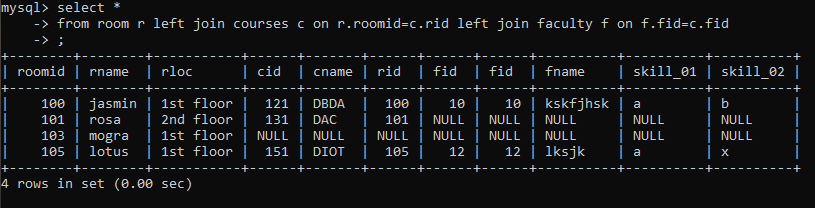
1. list all rooms which are not allocated to any courses



1. display courses and faculty assigned to those courses whose special skill is database



1. display time table --- it should contain course details , faculty and room details



56. create following tables with given constraints

product---- qty >0, default 20.00,pname not null and unique

prodid pname qty price catid sid

123 lays 30 30.00 1 12

111 pepsi 40 50.00 4 11

134 nachos 50 50.00 1 12

124 dairy milk 40 60.00 2 14

124 pringles 40 60.00 1 14

saleman ----- sname -----not null

sid sname city

11 Rahul Pune

12 Kirti Mumbai

13 Prasad Nashik

14 Arnav Amaravati

category ---- cname unique and not null

cid cname description

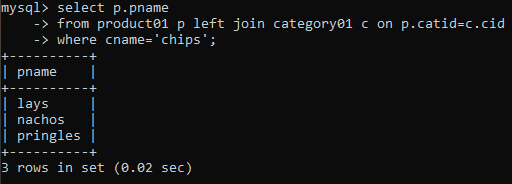
1 chips very crunchy

2 chocolate very chocolaty

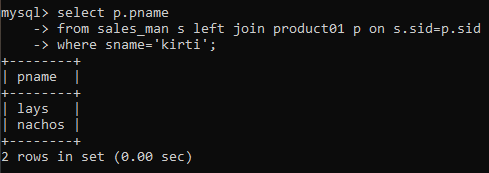
3 snacks yummy

4 cold drinks thanda thanda cool cool

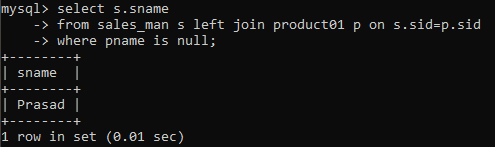
1. List all products with category chips



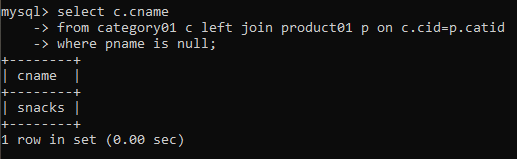
1. display all products sold by kirti



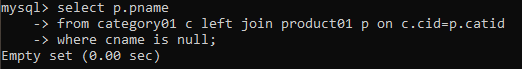
1. display all salesman who do not sold any product



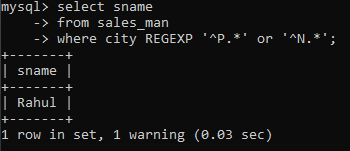
1. display all category for which no product is there



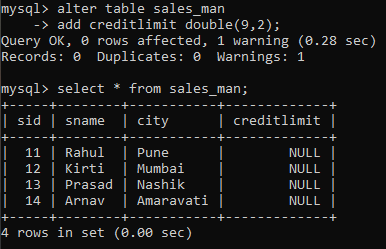
1. display all products with no category assigned



1. list all salesman who stays in city with name starts with P or N



1. add new column in salesman table by name credit limit



------------------------------

**Assignment-03**

Vehicle

Vid Vname Price desc

1 Activa 80000 ksldjfjksj

2 Santro 8,00000 kdjfkjsd

3 Motor bike 100000 fdkdfj

customer

Custid Cname address

1 Nilima Pimpari

2 Ganesh Pune

3 Pankaj Mumbai

salesman

Sid Sname adress

10 Rajesh mumbai

11 Seema Pune

13 Rakhi pune

cust-vehicle (customer is buying Many vehicle and 1 vehicle can be bought by many customers)

Custid Vid Sid Buy\_price

1 1 10 75000

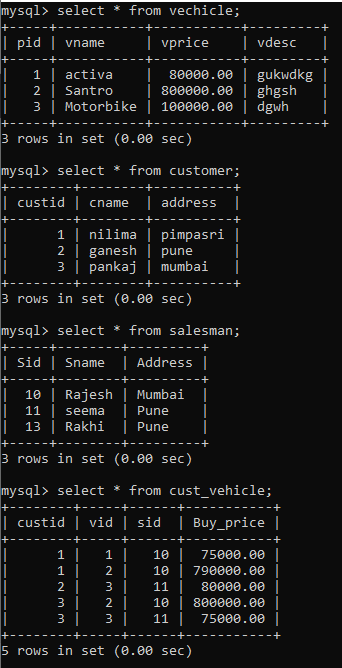
1 2 10 7,90,000

2 3 11 80000

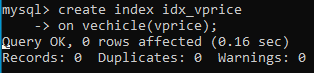
3 3 11 75000

3 2 10 8,00000

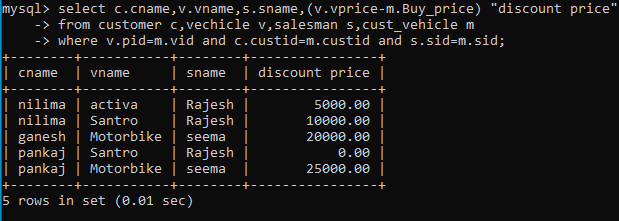
1. create all given tables



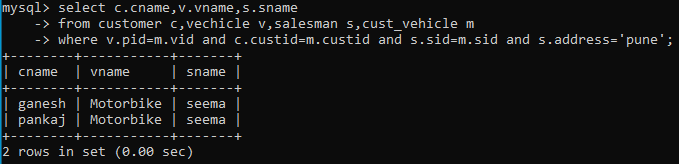
1. create index on vehicle table based on price



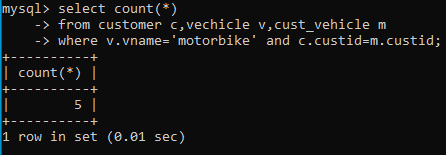
3. find all customer name,vehicle name, salesman name, discount earn by all customer



4. find all customer name,vehicle name,salesman name for all salesman who stays in pune



5. find how many customers bought motor bike



6. create a view find\_discount which displays output

-------to create view

create view find\_discount

as

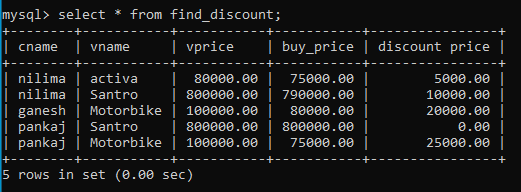
select cname,vname,price,buying\_price,price-buying\_price “discount”

from customer c inner join cust\_vehicle cv on c.custid=cv.cid inner join vehicle v on

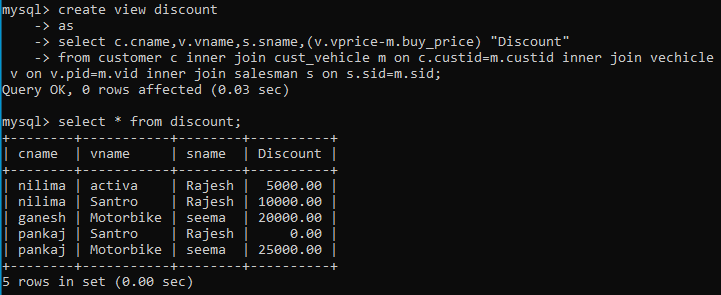
v.vid=cv.vid

--------to display discount

select \* from find\_discount;

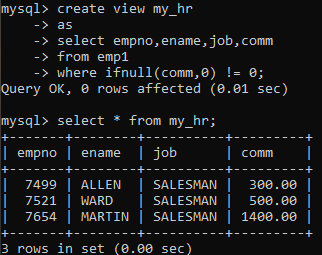


7. find all customer name, vehicle name, salesman name, discount earn by all customer

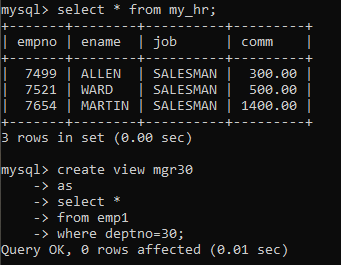


8. create view my\_hr to display empno,ename,job,comm for all employees who earn

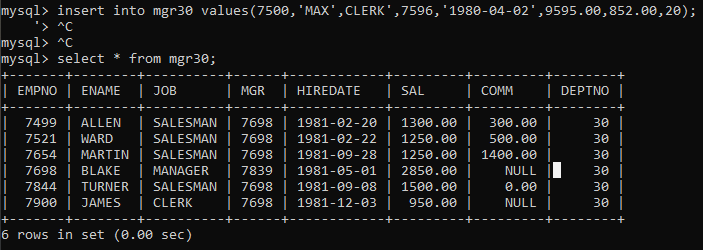
Commission



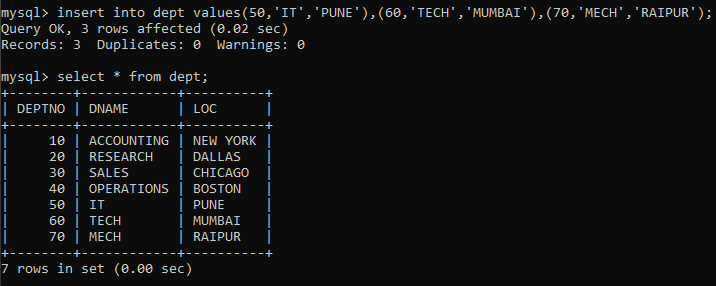
1. create view mgr30 to display all employees from department 30



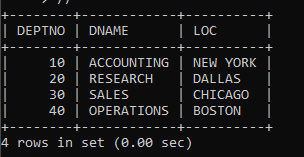
1. insert 3 employees in view mgr30 check whether insertion is possible



1. insert 3 records in dept and display all records from dept



1. use rollback command check what happens



13. do the following

insert row in emp with empno 100

insert row in emp with empno 101

insert row in emp with empno 102

add savepoint A

insert row in emp with empno 103

insert row in emp with empno 104

insert row in emp with empno 105

add savepoint B

delete emp with empno 100

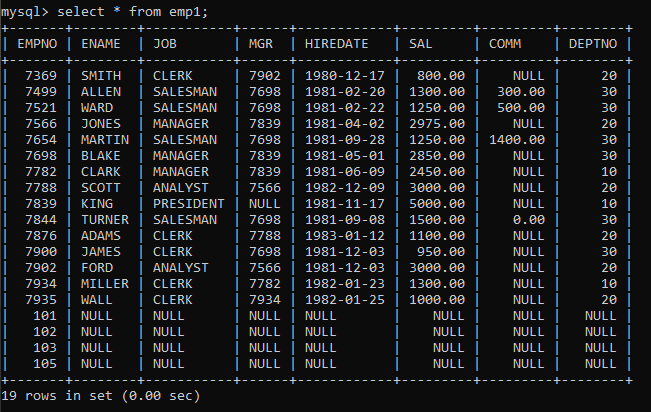
delete emp with emp no 104

rollback upto svaepoint B

check what all records will appear in employee table

rollback upto A

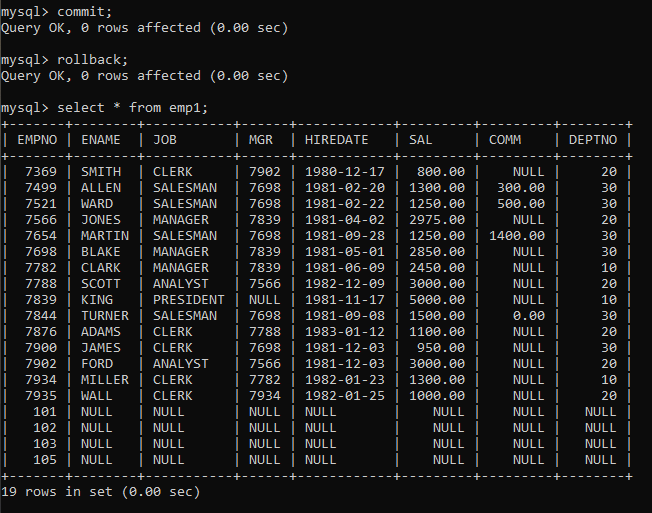
check what all records will appear in employee table



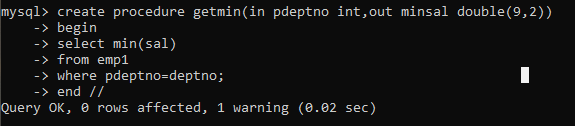
commit all changes

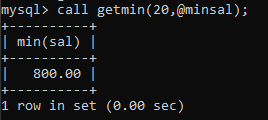
check what all records will appear in employee table

check whether you can roll back the contents.



14.create a procedure getMin(deptno,minsal) to find minimum salary of given table.





**Assignment-04**

Solve the following

1. write a procedure to insert record into employee table.

the procedure should accept empno, ename, sal, job, hiredate as input parameter

write insert statement inside procedure insert\_rec to add one record into table

create procedure insert\_rec(peno int,pnm varchar(20),psal decimal(9,2),pjob

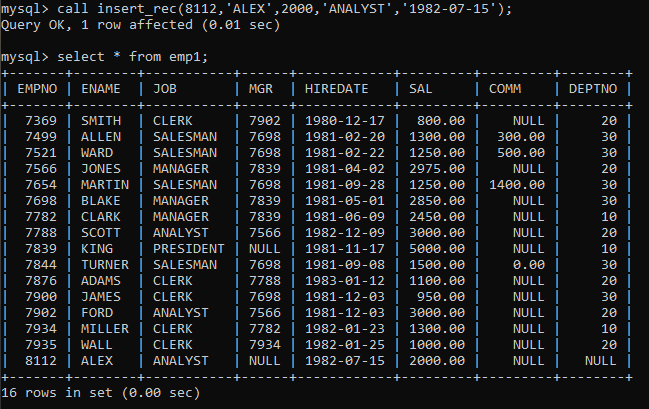
varchar(20),phiredate date)

begin

insert into emp(empno,ename,sal,job,hiredate)

values(peno,pnm,psal,pjob,phiredate)

end//

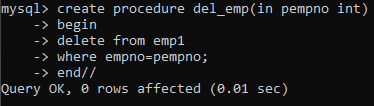


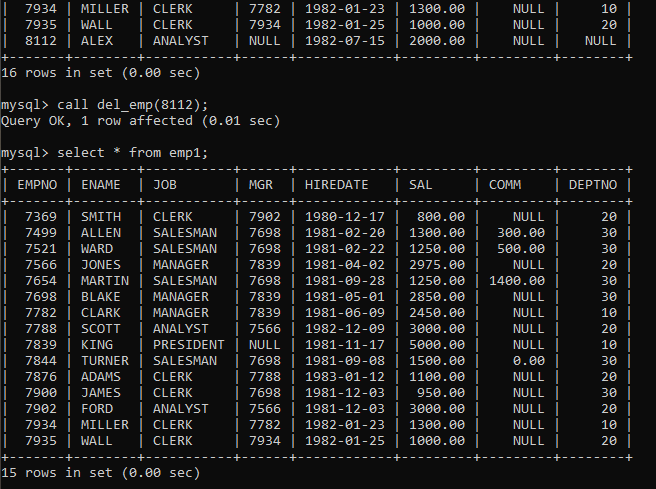
2. write a procedure to delete record from employee table.

the procedure should accept empno as input parameter.

write delete statement inside procedure delete\_emp to delete one record from emp

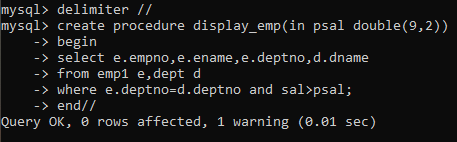
Table

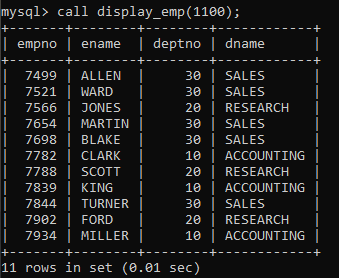




3. write a procedure to display empno,ename,deptno,dname for all employees with sal

> given salary. pass salary as a parameter to procedure





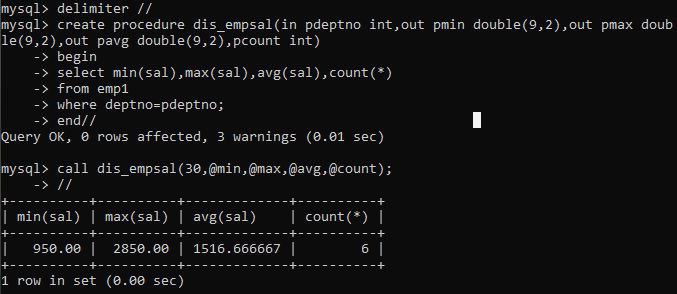
4. write a procedure to find min,max,avg of salary and number of employees in the

given deptno.

deptno --→ in parameter

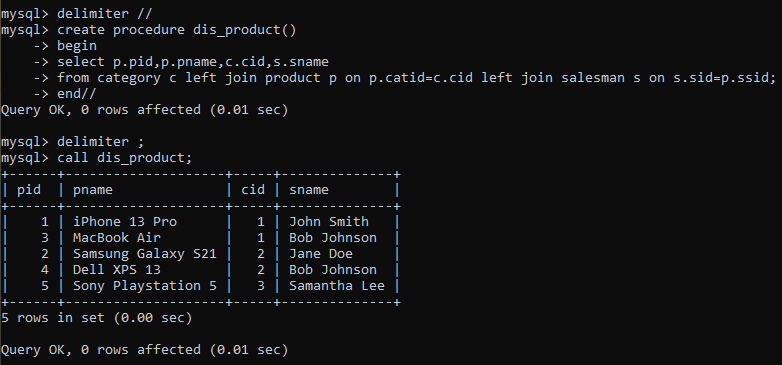
min,max,avg and count ---→ out type parameter

execute procedure and then display values min,max,avg and count



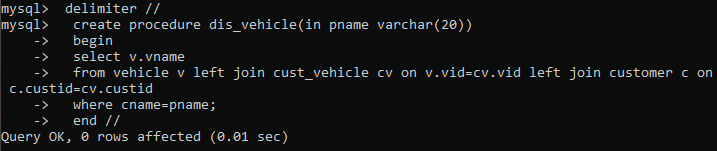
5. write a procedure to display all pid,pname,cid,cname and salesman name(use

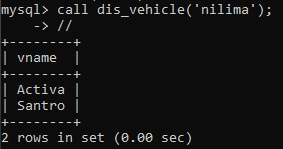
product,category and salesman table)



6. write a procedure to display all vehicles bought by a customer. pass cutome name as

a parameter.(use vehicle,salesman,custome and relation table)





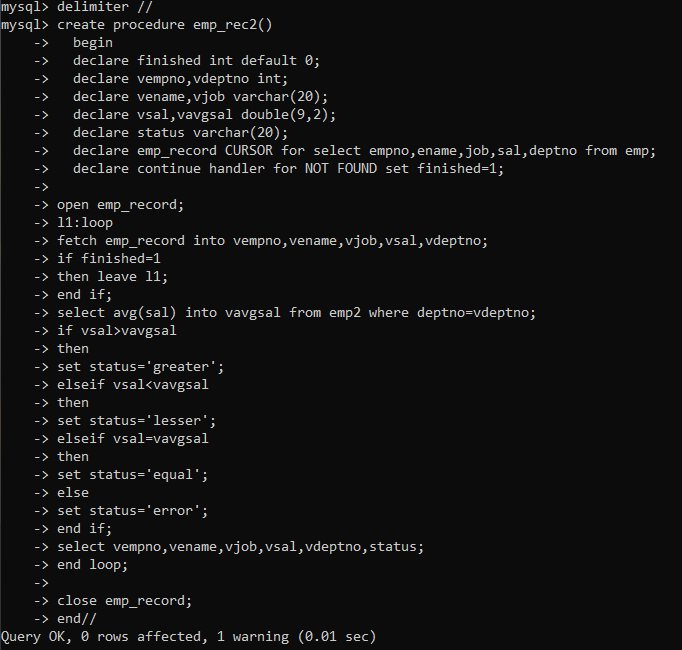
7. Write a procedure that displays the following information of all emp

Empno,Name,job,Salary,Status,deptno

Note: - Status will be (Greater, Lesser or Equal) respective to average salary of their own

department. Display an error message Emp table is empty if there is no matching

record.

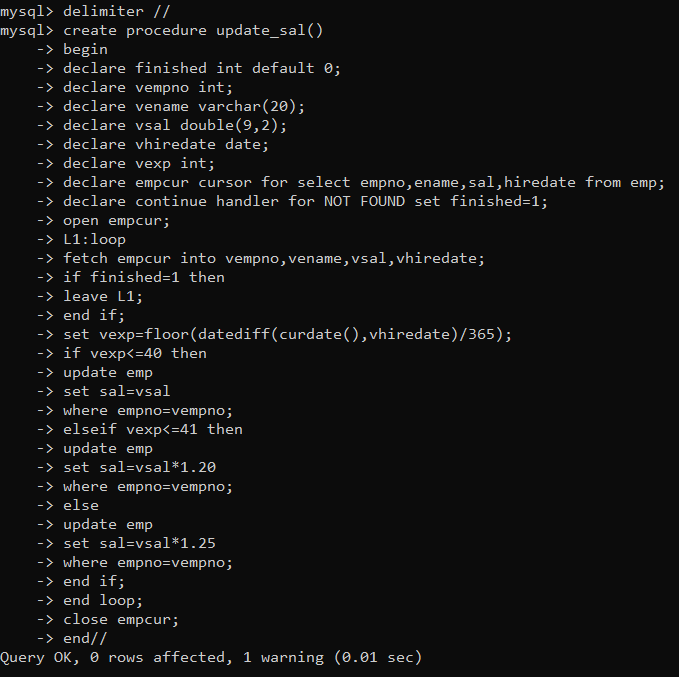


8. Write a procedure to update salary in emp table based on following rules.

Exp< =35 then no Update

Exp> 35 and <=38 then 20% of salary

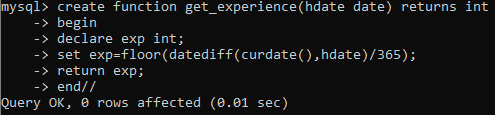
Exp> 38 then 25% of salary



9. Write a procedure and a function.

Function: write a function to calculate number of years of experience of employee.(note:

pass hiredate as a parameter)



Procedure: Capture the value returned by the above function to calculate the additional

allowance for the emp based on the experience.

Additional Allowance = Year of experience x 3000

Calculate the additional allowance

and store Empno, ename,Date of Joining, and Experience in

years and additional allowance in Emp\_Allowance table.

create table emp\_allowance(

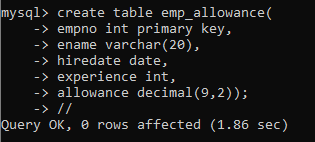
empno int,

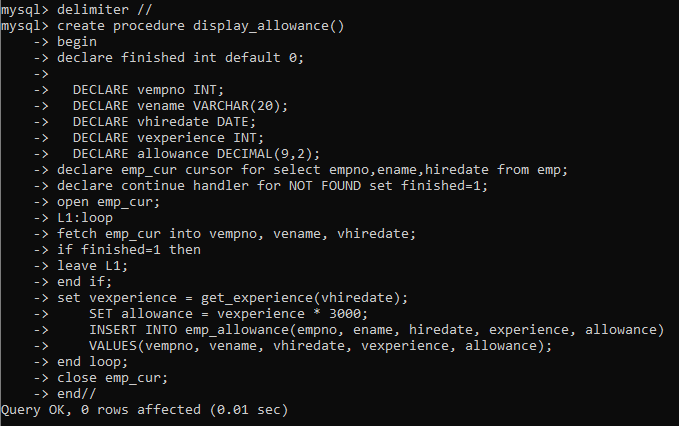
ename varchar(20),

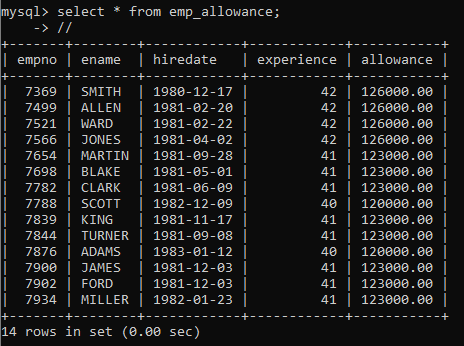
hiredate date,

experience int,

allowance decimal(9,2));







10. Write a function to compute the following. Function should take sal and hiredate

as i/p and return the cost to company.

DA = 15% Salary, HRA= 20% of Salary, TA= 8% of Salary.

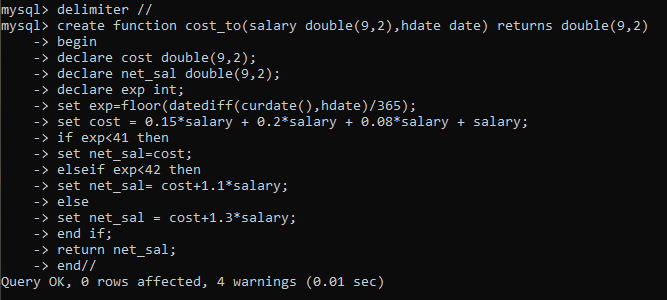
Special Allowance will be decided based on the service in the company.

< 1 Year Nil

>=1 Year< 2 Year 10% of Salary

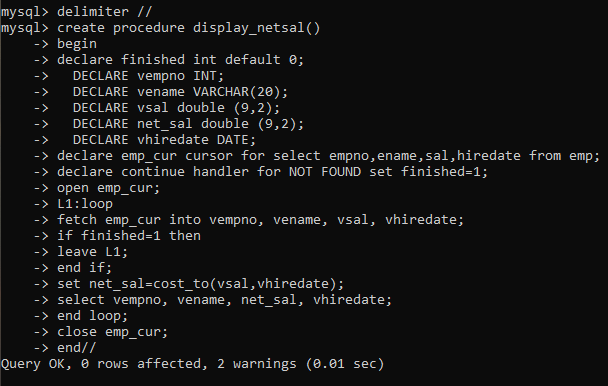
>=2 Year< 4 Year 20% of Salary

>4 Year 30% of Salary



11. Write query to display empno,ename,sal,cost to company for all employees(note:

use function written in question 10)



Q2. Write trigger

1. Write a tigger to store the old salary details in Emp \_Back (Emp \_Back has the

same structure as emp table without any

constraint) table.

(note :create emp\_back table before writing trigger)

----- to create emp\_back table

create table emp\_back(

empno int,

ename varchar(20),

oldsal decimal(9,2),

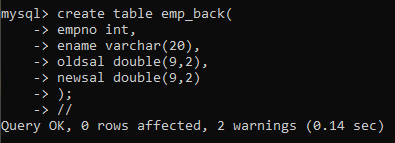
newsal decimal(9,2)

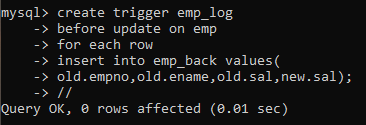
)

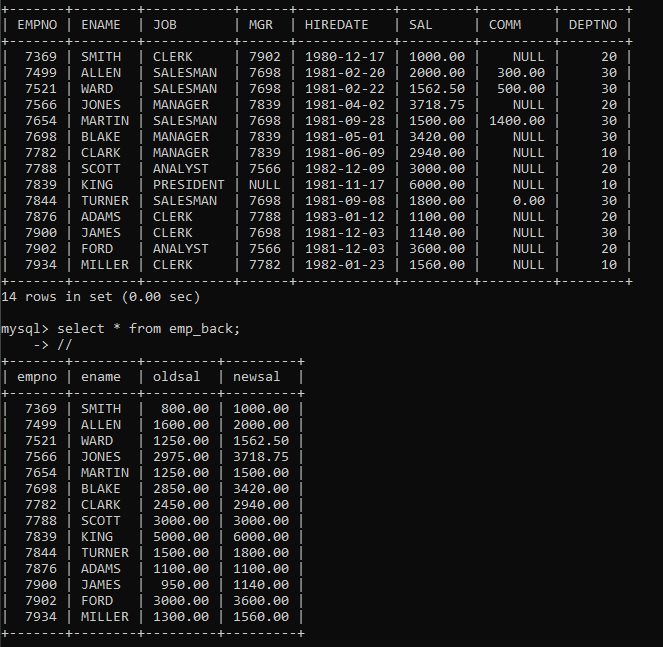
(note :

execute procedure written in Q8 and

check the entries in EMP\_back table after execution of the procedure)







2. Write a trigger which add entry in audit table when user tries to insert or delete

records in employee table store empno,name,username and date on which

operation performed and which action is done insert or delete. in emp\_audit table.

create table before writing trigger.

create table empaudit(

empno int;

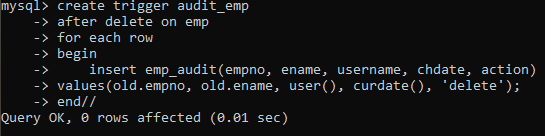
ename varchar(20),

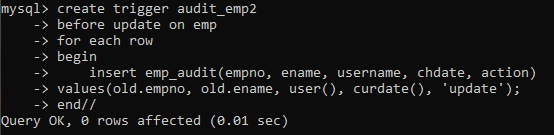
username varchar(20);

chdate date;

action varchar(20)

);





3. Create table vehicle\_history. Write a trigger to store old vehicleprice and new vehicle

price in history table before you update price in vehicle table

(note: use vehicle table).

create table vehicle\_history(

vno int,

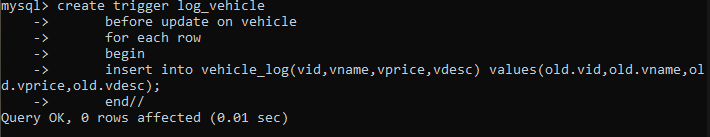
vname varchar(20),

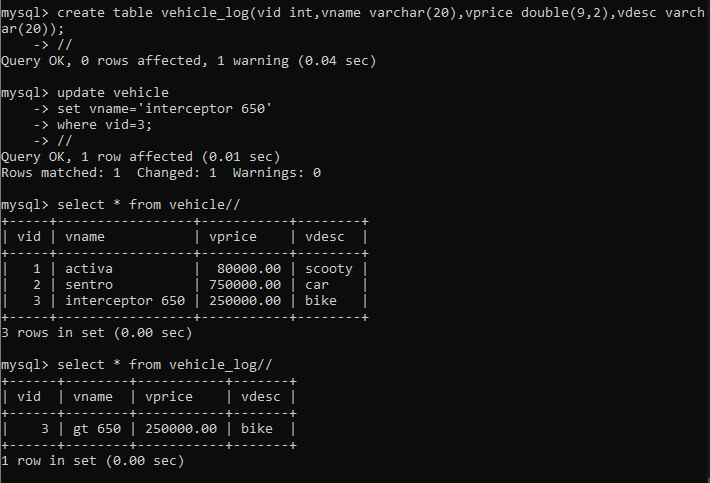
oldprice decimal(9,2),

newprice decimal(9,2),

chdate date,

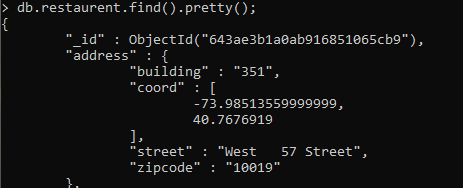
username varchar(20)



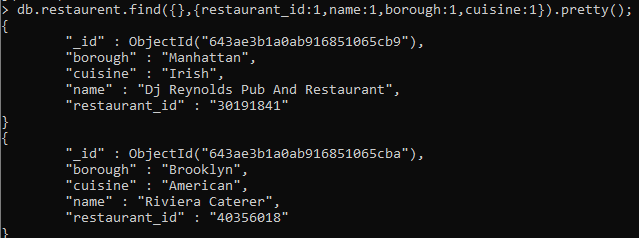


**MongoDB Assignment- 01-02**

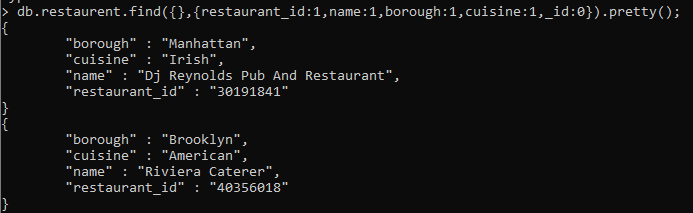
1. Write a MongoDB query to display all the documents in the collection restaurants



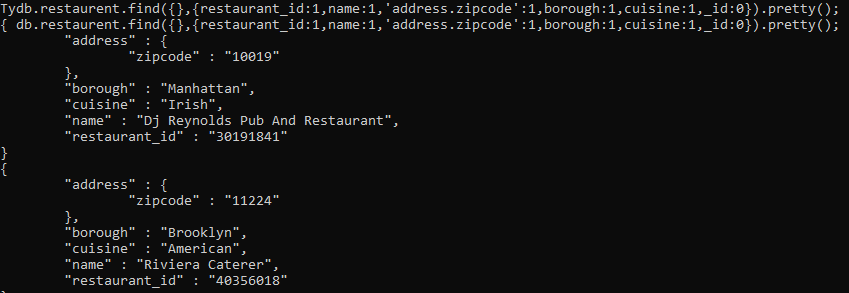
2. Write a MongoDB query to display the fields restaurant\_id, name, borough and cuisine for all the documents in the collection restaurant.



3. Write a MongoDB query to display the fields restaurant\_id, name, borough and cuisine, but exclude the field \_id for all the documents in the collection restaurant.



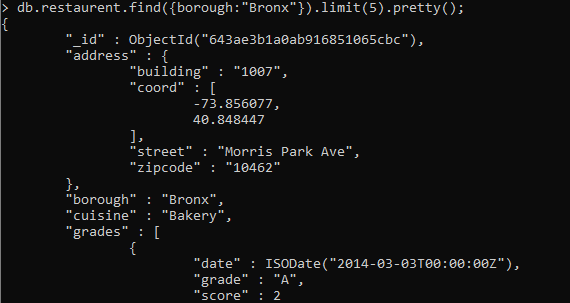
4. Write a MongoDB query to display the fields restaurant\_id, name, borough and zip code, but exclude the field \_id for all the documents in the collection restaurant.



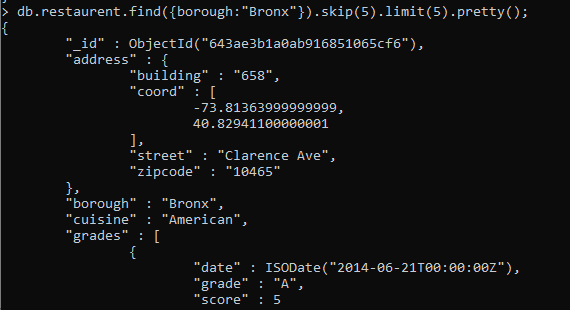
1. Write a MongoDB query to display all the restaurant which is in the borough Bronx



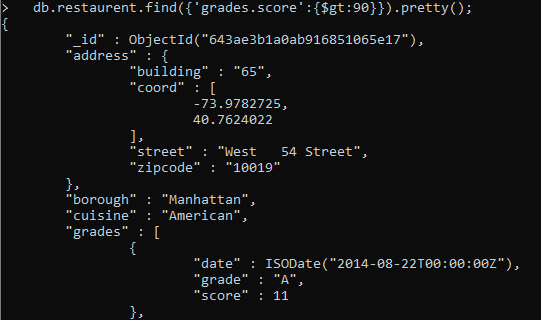
6. Write a MongoDB query to display the first 5 restaurant which is in the borough Bronx.



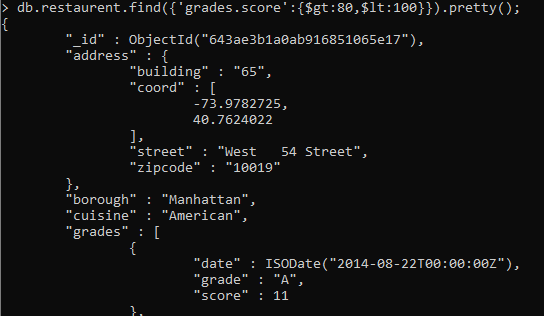
7.Write a MongoDB query to display the next 5 restaurants after skipping first 5 which are in the borough Bronx.



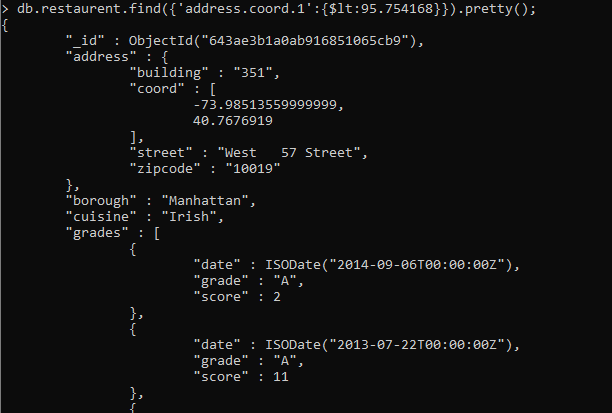
8. Write a MongoDB query to find the restaurants who achieved a score more than 90.



1. Write a MongoDB query to find the restaurants that achieved a score, more than 80 but less than 100.

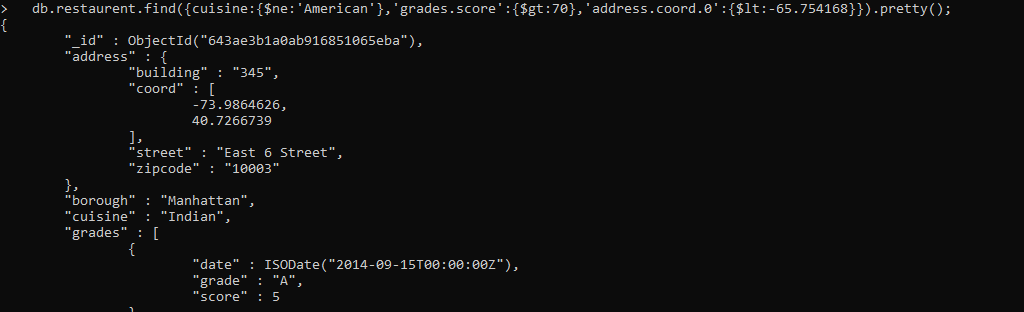


10. Write a MongoDB query to find the restaurants which locate in latitude value less than - 95.754168.

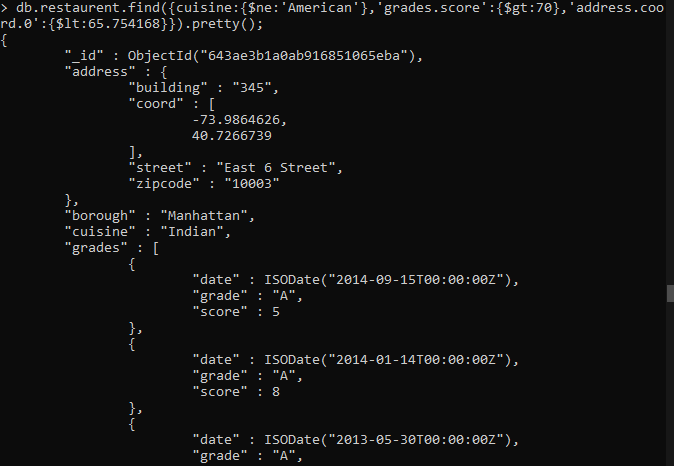


11. Write a MongoDB query to find the restaurants that do not prepare any cuisine of

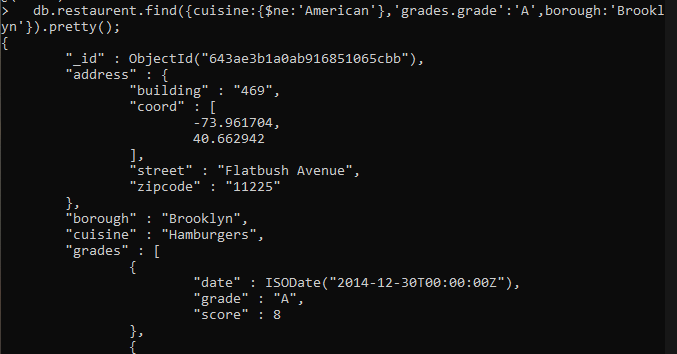
'American' and their grade score more than 70 and latitude less than -65.754168.



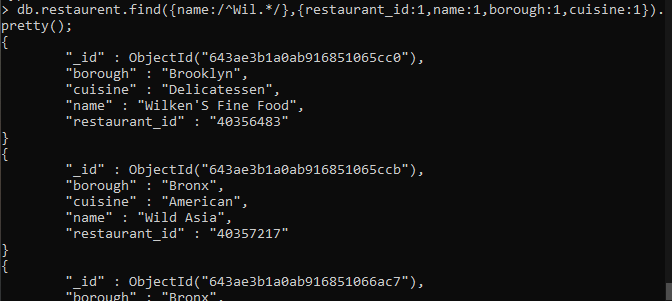
12. Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American' and achieved a score more than 70 and located in the longitude less than - 65.754168.



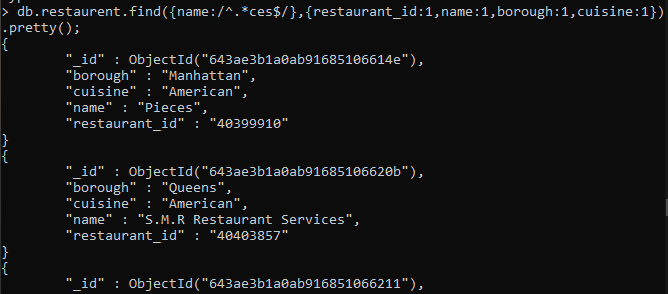
13. Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American ' and achieved a grade point 'A' not belongs to the borough Brooklyn. The document must be displayed according to the cuisine in descending order.



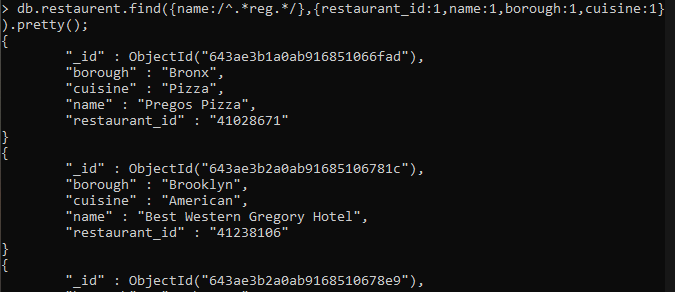
14. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Wil' as first three letters for its name.



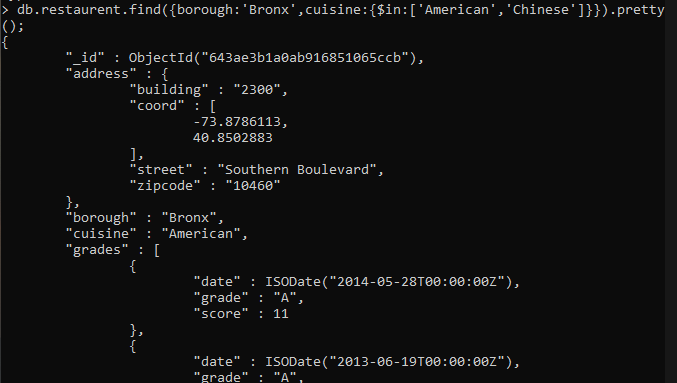
15. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'ces' as last three letters for its name.



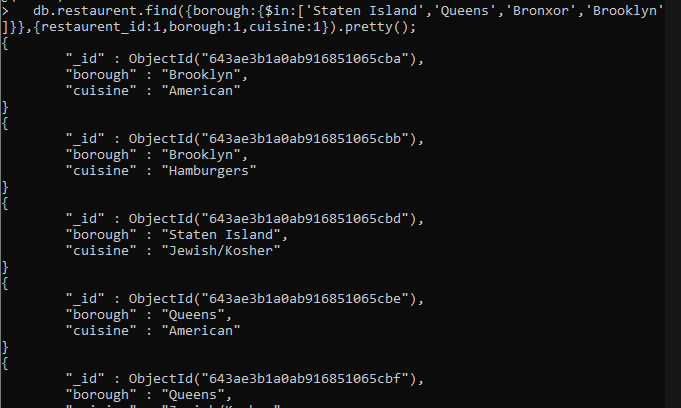
16. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Reg' as three letters somewhere in its name.



1. Write a MongoDB query to find the restaurants which belong to the borough Bronx and prepared either American or Chinese dish.

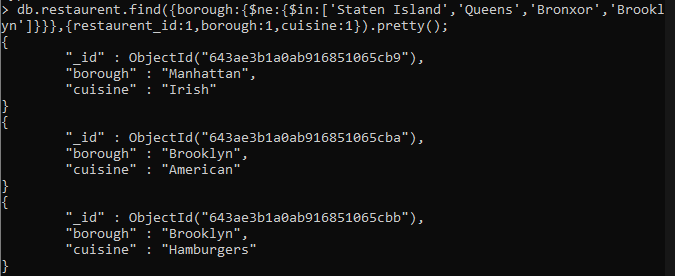


18. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which belong to the borough Staten Island or Queens or Bronxor Brooklyn.

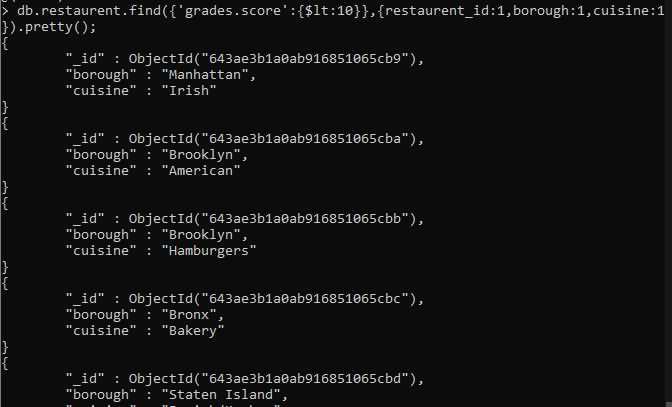


19. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which are not belonging to the borough Staten Island or Queens or Bronxor

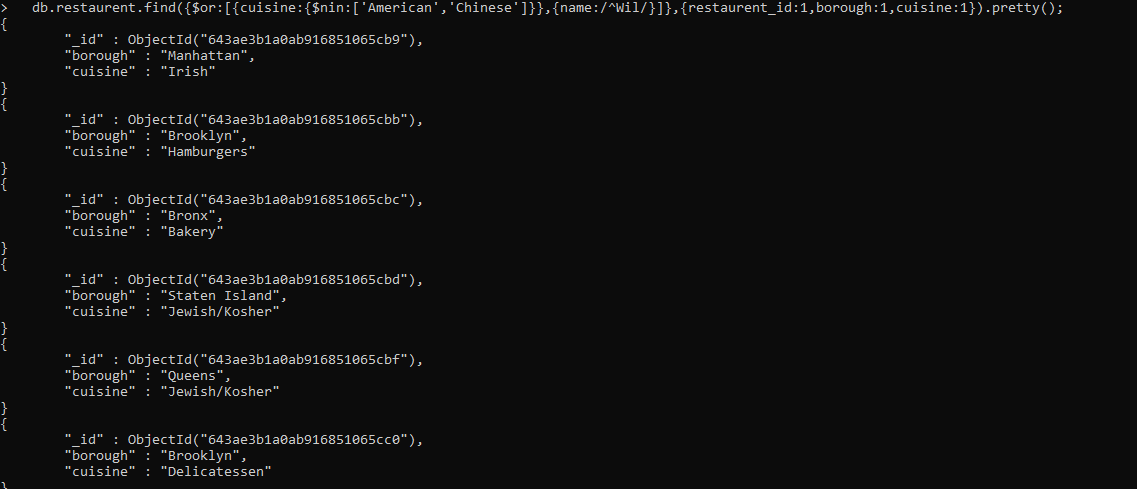
Brooklyn.



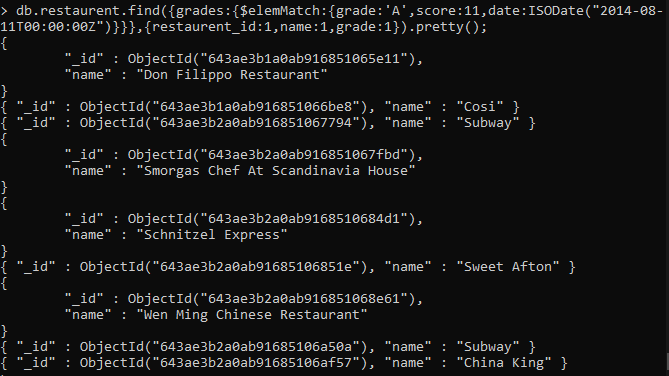
20. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which achieved a score which is not more than 10.



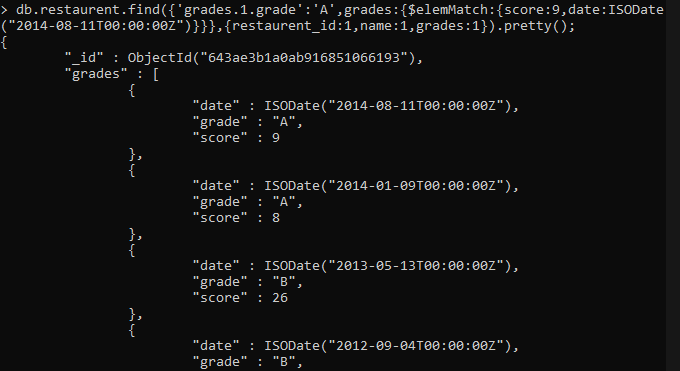
21. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which prepared dish except 'American' and 'Chinese or restaurant's name begins with letter 'Wil'.



22. Write a MongoDB query to find the restaurant Id, name, and grades for those restaurants which achieved a grade of "A" and scored 11 on an ISODate "2014-08-11T00:00:00Z" among many of survey dates

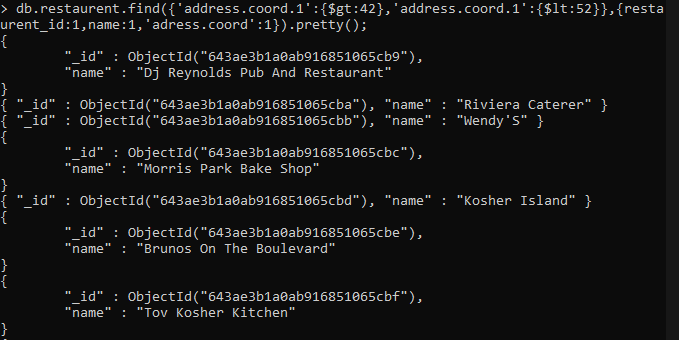


23. Write a MongoDB query to find the restaurant Id, name and grades for those restaurants where the 2nd element of grades array contains a grade of "A" and score 9 on an ISODate "2014-08-11T00:00:00Z".

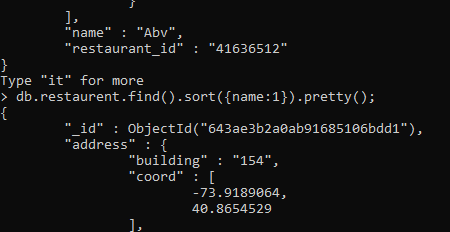


24. Write a MongoDB query to find the restaurant Id, name, address and geographical

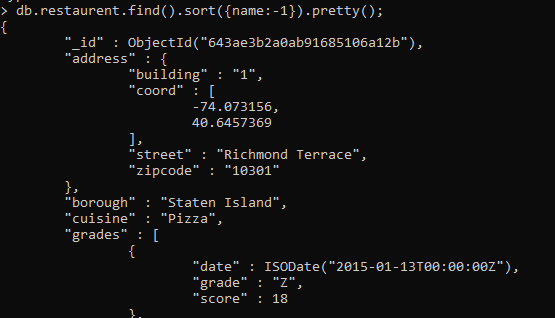
location for those restaurants where 2nd element of coord array contains a value which is more than 42 and upto 52



25. Write a MongoDB query to arrange the name of the restaurants in ascending order along with all the columns.



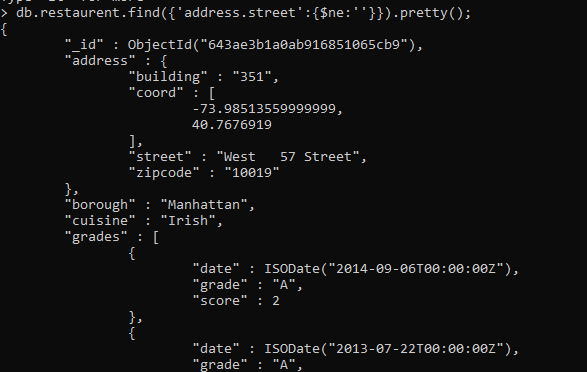
26. Write a MongoDB query to arrange the name of the restaurants in descending along with all the columns.



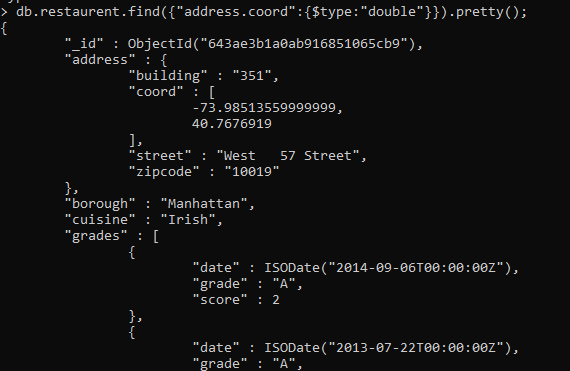
27. Write a MongoDB query to arranged the name of the cuisine in ascending order and for that same cuisine borough should be in descending order.



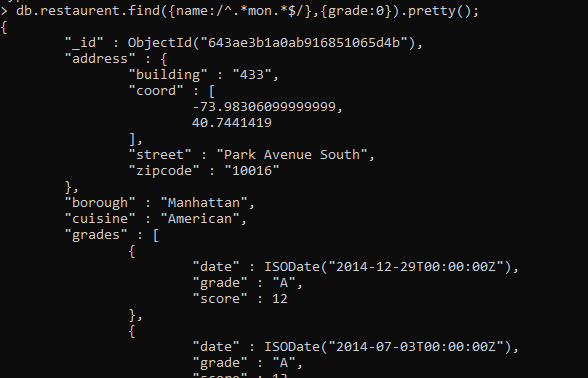
28. Write a MongoDB query to know whether all the addresses contains the street or not.



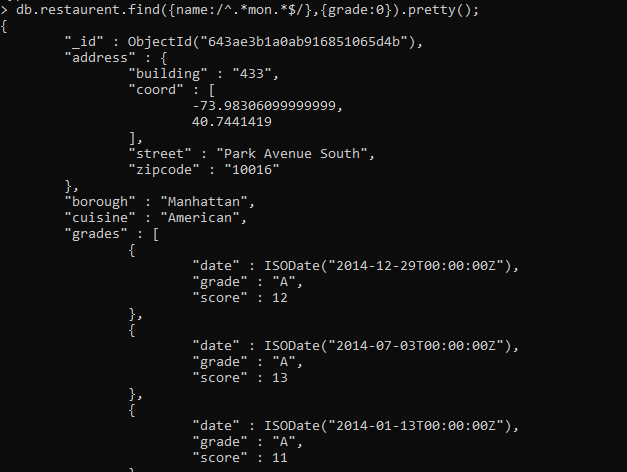
29. Write a MongoDB query which will select all documents in the restaurants collection where the coord field value is Double.



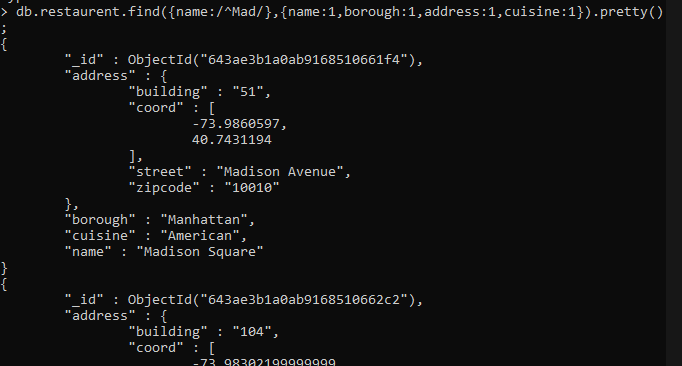
30. Write a MongoDB query which will select the restaurant Id, name and grades for those restaurants which returns 0 as a remainder after dividing the score by 7.



31. Write a MongoDB query to find the restaurant name, borough, longitude and attitude and cuisine for those restaurants which contains 'mon' as three letters somewhere in its name.



32. Write a MongoDB query to find the restaurant name, borough, longitude and latitude and cuisine for those restaurants which contain 'Mad' as first three letters of its name.



Create a Employee Collection add 5 documents:

Example:

{empno:111,ename:”Deepali

Vaidya”,sal:40000.00,dept:{deptno12,dname:,”Hr”,dloc:”Mumbai},

Desg:”Analyst”,mgr:{name:”Satish”,num:111},project:[{name:”Project-

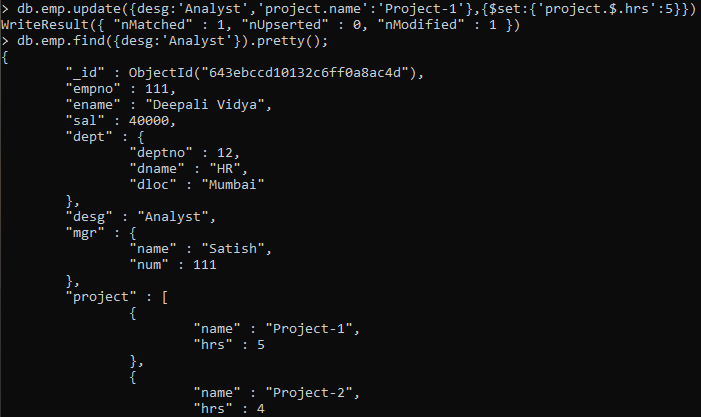
1”,Hrs:4},{name:”project- 2”,Hrs:4}]}

1. All Employee’s with the desg as ‘CLERK’ are now called as (AO) Administrative Officers.

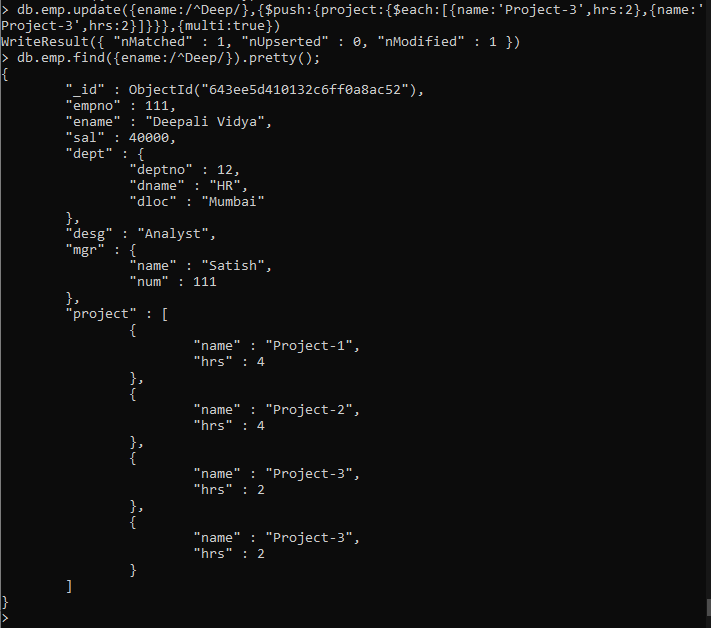
Update the Employee collection for this.



2. Change the number of hours for project-1 to 5 for all employees with designation analyst.



3. Add 2 projects project-3 and project-4 for employee whose name starts with ”Deep” with 2 hrs



1. Add bonus rs 2000 for all employees with salary > 50000



5. Add bonus rs 1500 if salary <50000 and > 30000



6. increment bounus by 1000 for all employees if salary <=30000



7. Change manager name to Tushar for all employees whose manager is currently “satish”

And manager number to 3333



1. Increase salary of all employees from “purchase department” by 15000



9. Decrease number of hrs by 2 for all employees who are working on project-2



10. Delete project-2 from all employee document if they are working on the project for 4

hrs.



11. Change the salary of employees to 10000 only if their salary is < 10000



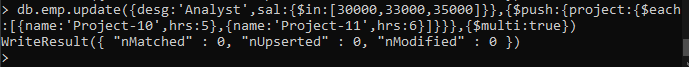
12. Increase bonus of all employees by 500 if the bonus is <2000 or their salary is <

20000 or if employee belong to sales department



13. Add 2 new project at position 2 for all employees with designation analyst or salary is

equal to either 30000 or 33000 or 35000



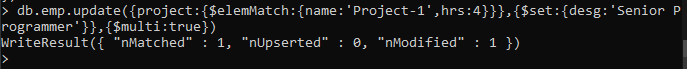
14. Delete last project of all employees with department name is “HR” and if the location

is Mumbai



15. Change designation of all employees to senior programmer if they are working on

name:”Project-1” for 4 hrs



16. Add list of hobbies in all employees document whose manager is Rajan or Revati



17. Add list of skillset in all employee documents who are working on project-4 for 3 hrs

or on project-3 for 4 hrs



18. Add a new hobby as blogging at 3 position in hobbies array for all employess whose

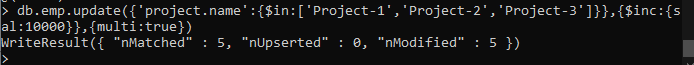
name starts with R or p and ends with j or s



19. Increase salary by 10000 for all employees who are working on project-2 or project-3

or project-1 Decrease bonus by 1000 rs And increase salary by 1000rs for all employees whose

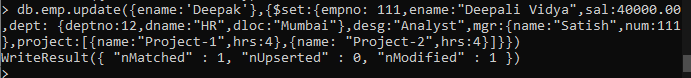
department location is Mumbai



20. Remove all employees working on project-1



21. Replace document of employee with name “Deepak to some new document



22. Change skill python to python 3.8 for all employees if python is there in the skillset



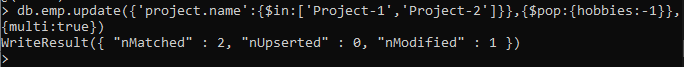
23. Add 2 skills MongoDb and Perl at the end of skillset array for all employees who are

working at Pune location



24. Delete first hobby from hobby array for all employees who are working on project-1

or project-2



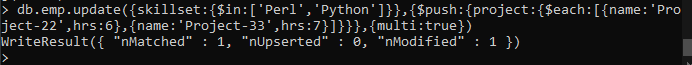
25. Delete last hobby from hobbies array for all employees who are working on project

which is at 2 nd position in projects array for 4 hrs



26. Add 2 new projects at the end of array for all employees whose skillset contains Perl

or python



27. Change hrs to 6 for project-1 for all employees if they working on the project-1 for <

6 hrs. otherwise keep the existing value.

