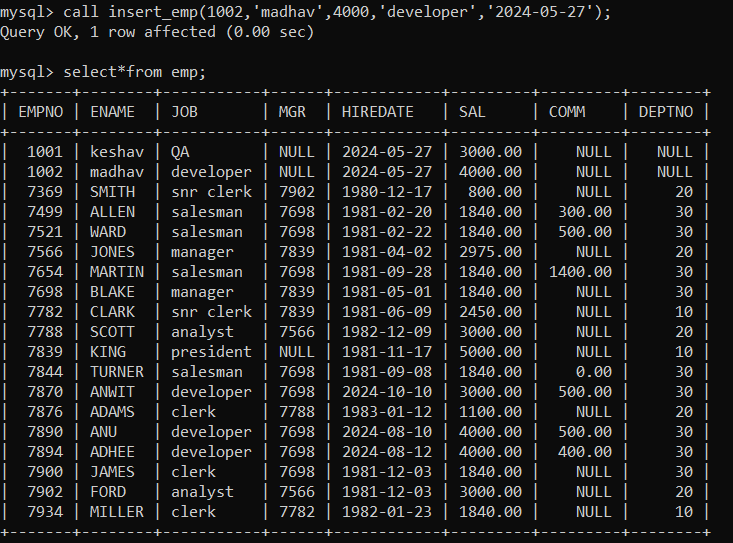
Solve the following

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//



delimiter //

create procedure insert\_emp(in peno int,in pename varchar(20),in psal float(9,2),

in pjob varchar(20),in phiredate date)

begin

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

values(peno,pename,psal,pjob,phiredate);

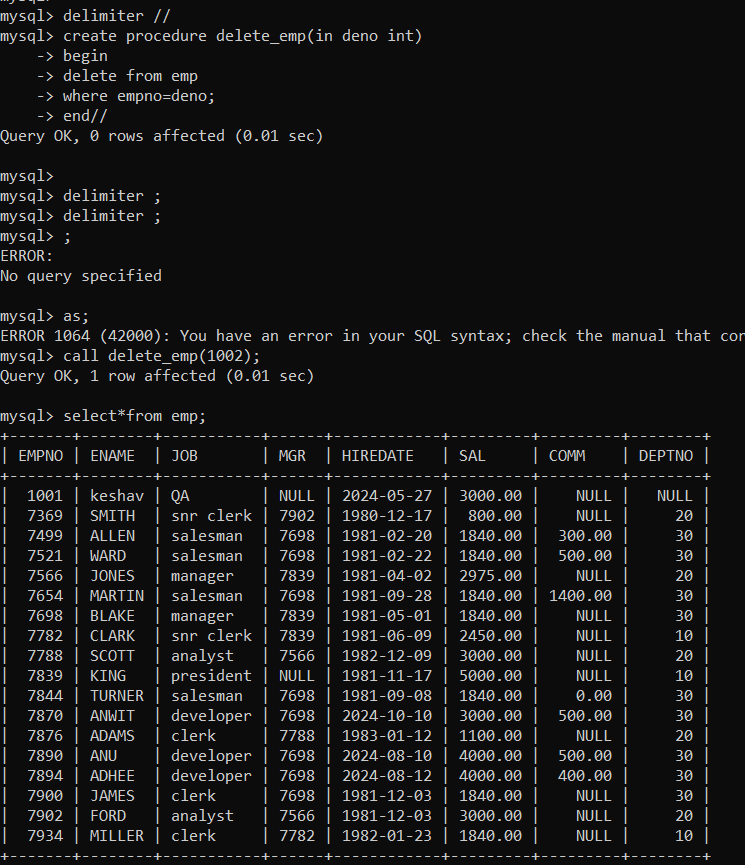
end//

delimiter ;

call insert\_emp(10,ram,10000,hr,’53762-33);

1. 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



delimiter;

delimiter //

create procedure delete\_emp(in deno int)

begin

delete from emp

where empno=deno;

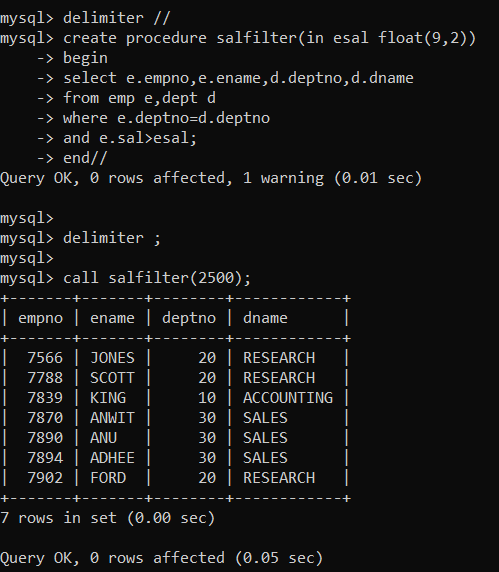
end//

delimiter ;

call delete\_emp(1002);

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

> given salary. pass salary as a parameter to procedure



delimiter //

create procedure salfilter(in esal float(9,2))

begin

select e.empno,e.ename,d.deptno,d.dname

from emp e,dept d

where e.deptno=d.deptno

and e.sal>esal;

end//

delimiter ;

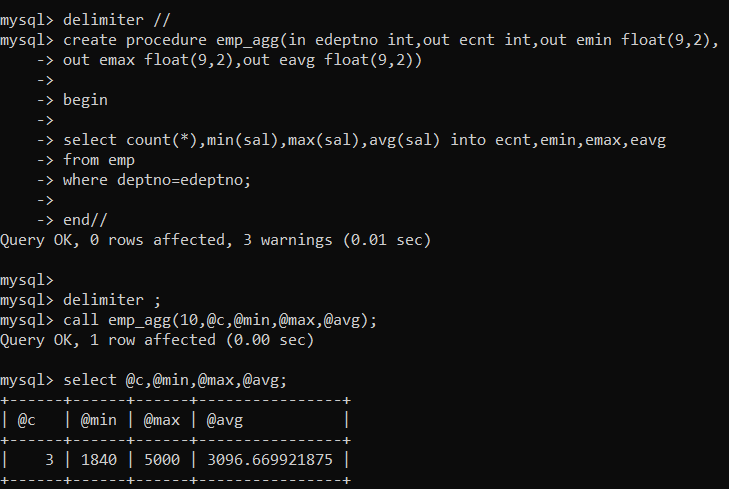
call salfilter(2500);

1. 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



delimiter //

create procedure emp\_agg(in edeptno int,out ecnt int,out emin float(9,2),

out emax float(9,2),out eavg float(9,2))

begin

select count(\*),min(sal),max(sal),avg(sal) into ecnt,emin,emax,eavg

from emp

where deptno=edeptno;

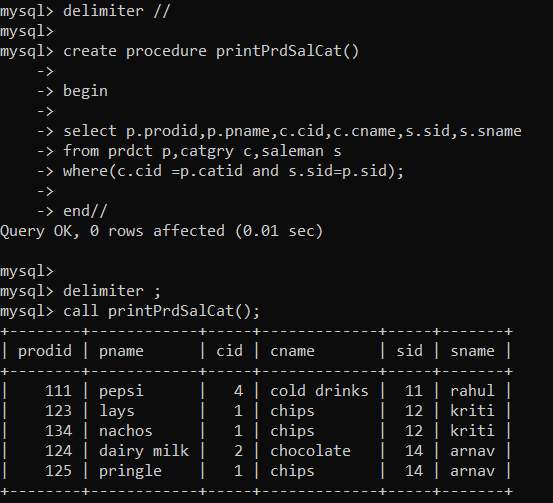
end//

delimiter ;

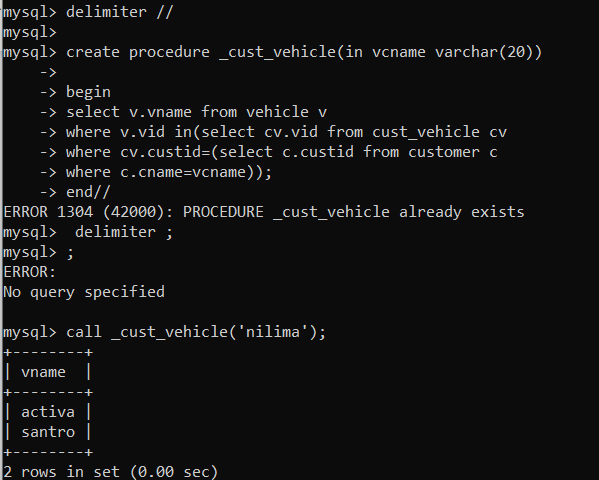
call emp\_agg(10,@c,@min,@max,@avg);

select @c,@min,@max,@avg;

1. write a procedure to display all pid,pname,cid,cname and salesman name(use product,category and salesman table)



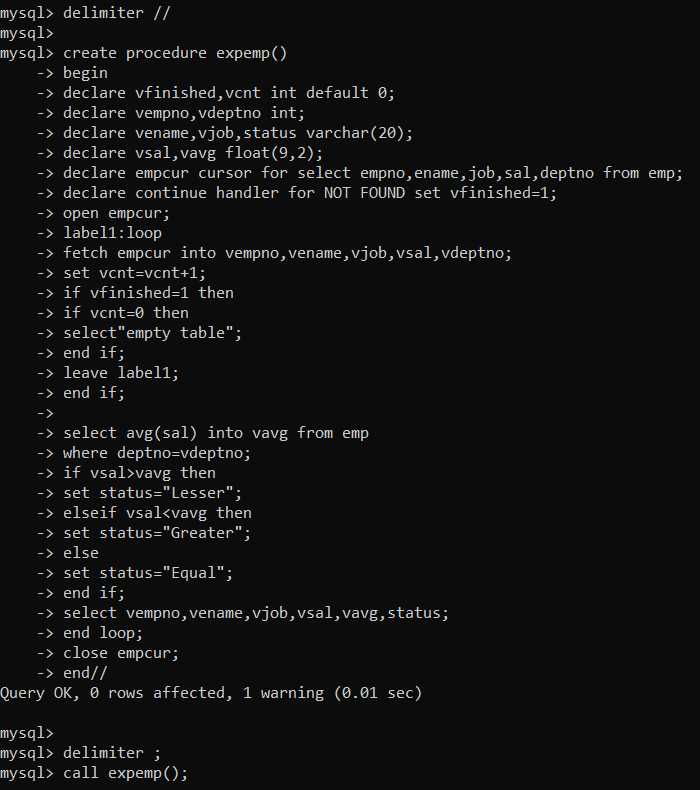
1. write a procedure to display all vehicles bought by a customer. pass cutome name as a parameter.(use vehicle,salesman,custome and relation table)

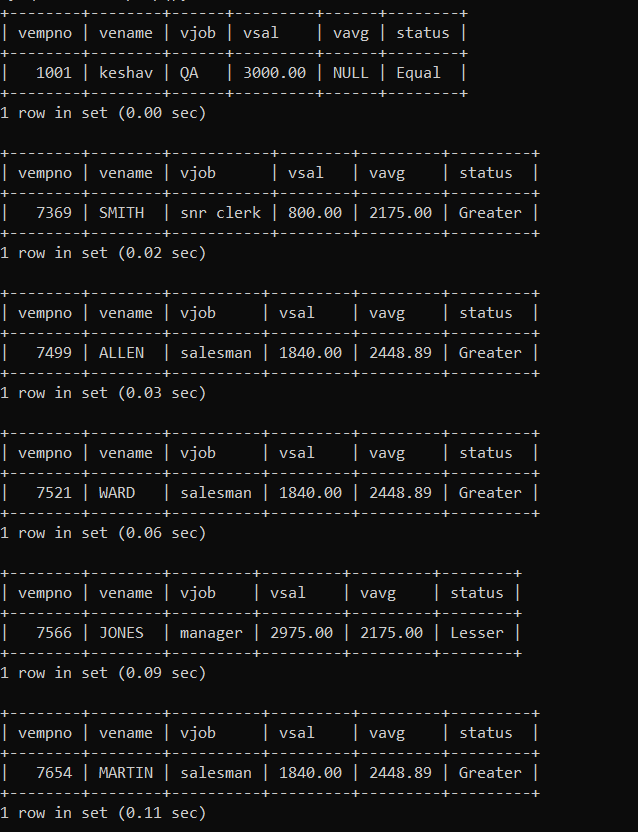


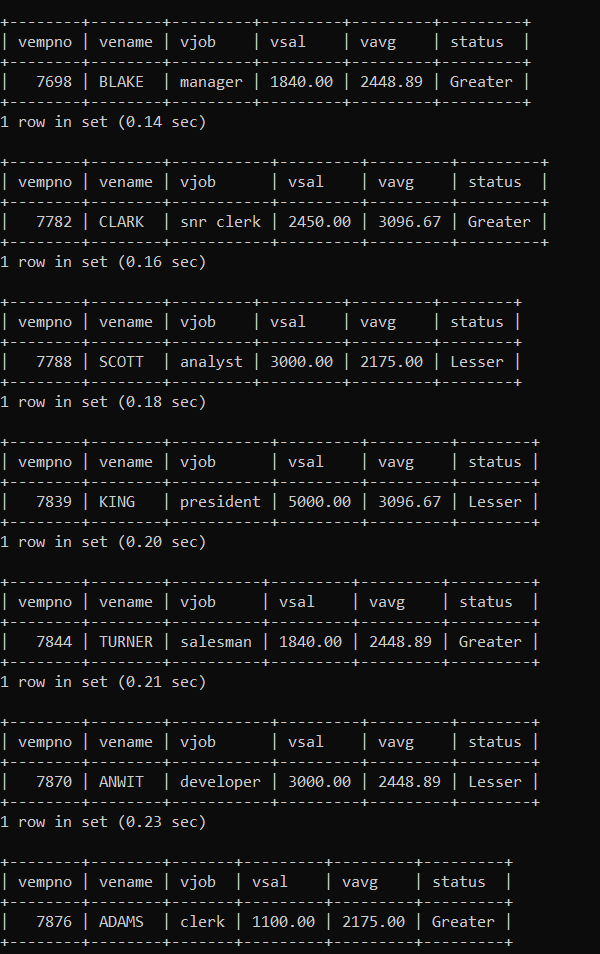
1. Write a procedure that displays the following information of all emp

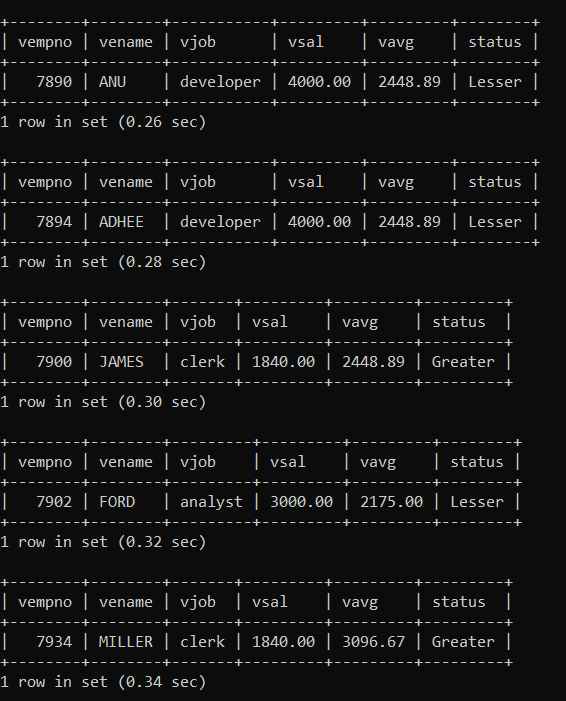
Empno,Name,job,Salary,Status,deptno

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.







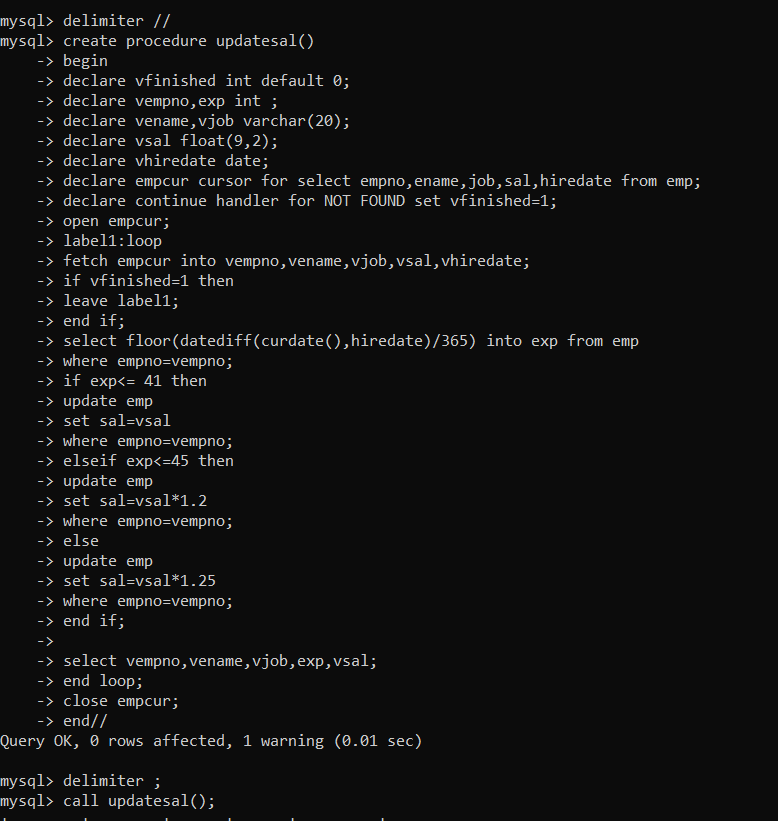


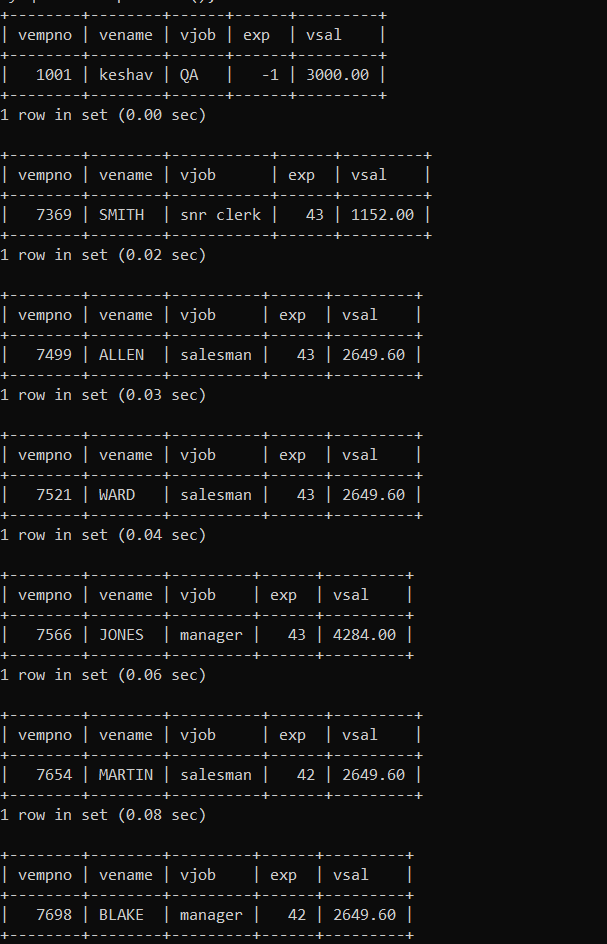
1. Write a procedure to update salary in emp table based on following rules.

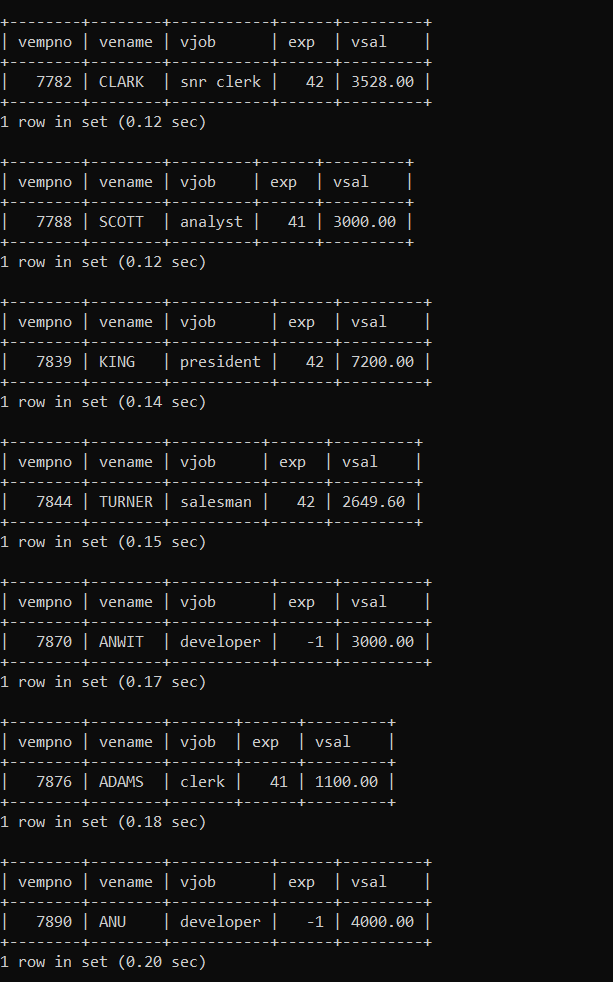
Exp< =35 then no Update

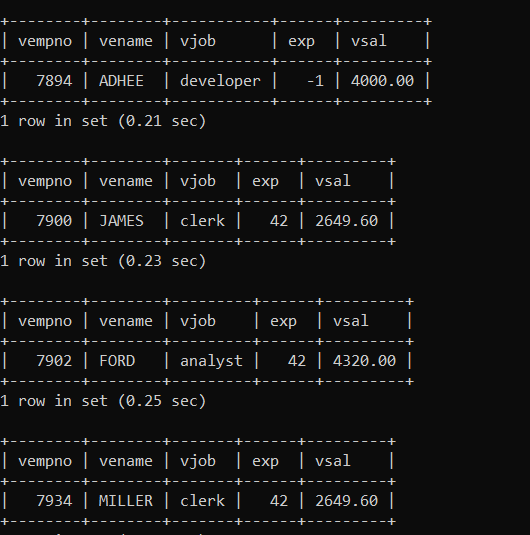
Exp> 35 and <=38 then 20% of salary

Exp> 38 then 25% of salary









1. 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));

9.

create table emp\_allowance(

empno int,

ename varchar(20),

hiredate date,

experience int,

allowance decimal(9,2)

);

function----

set GLOBAL log\_bin\_trust\_function\_creators=1;

delimiter //

create function experience(ehiredate date) returns int

begin

declare exp int;

set exp=floor(datediff(curdate(),ehiredate)/365);

return exp;

end//

delimiter ;

procedure----

delimiter //

create procedure addallowance()

begin

declare vfinished int default 0;

declare vempno,vexp int;

declare vename varchar(20);

declare vhiredate date;

declare vallowance decimal(9,2);

declare empcur cursor for select empno,ename,hiredate from emp;

declare continue handler for NOT FOUND set vfinished=1;

open empcur;

label1:loop

fetch empcur into vempno,vename,vhiredate;

if vfinished=1 then

leave label1;

end if;

select experience(vhiredate) into vexp from emp

where empno=vempno;

if vexp>0 then

set vallowance=vexp\*3000;

else

set vallowance=0;

end if;

insert into emp\_allowance (empno,ename,hiredate,experience,allowance)values(vempno,vename,vhiredate,vexp,vallowance);

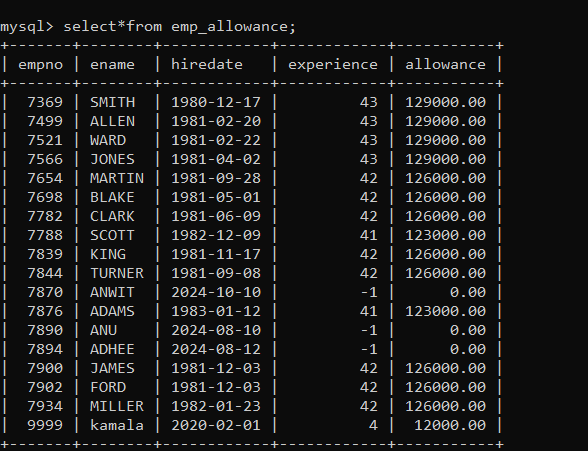
select vempno,vename,vhiredate,vexp,vallowance;

end loop;

close empcur;

end//

delimiter ;



1. Write a function to compute the following. Function should take sal and hiredate as i/p and return the cost to company.

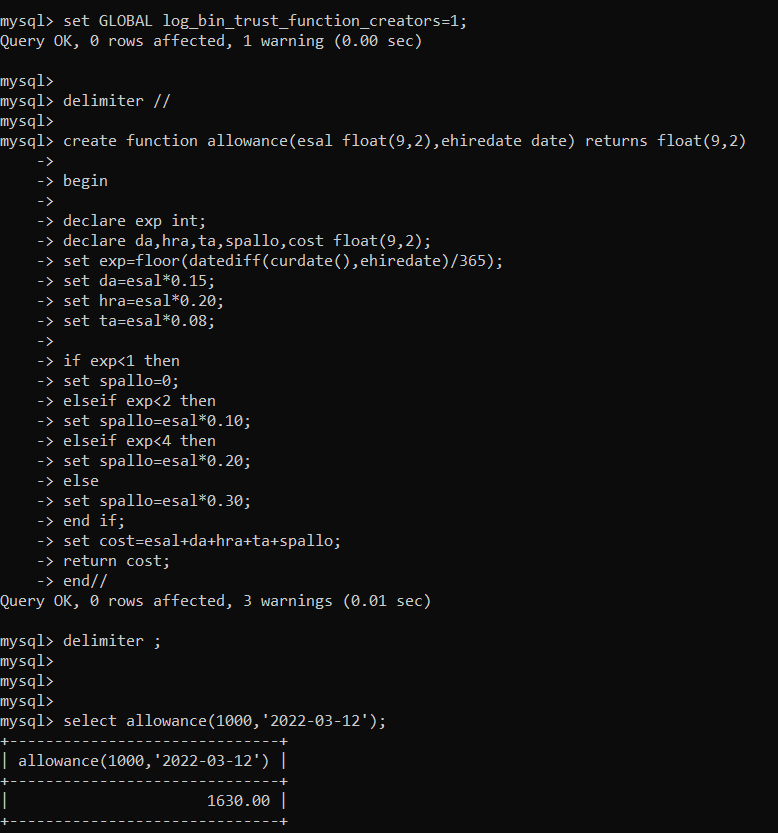
DA = 15% Salary, HRA= 20% of Salary, TA= 8% of Salary.

Special Allowance will be decided based on the service in the company. < 1 Year Nil

>=1 Year< 2 Year 10% of Salary

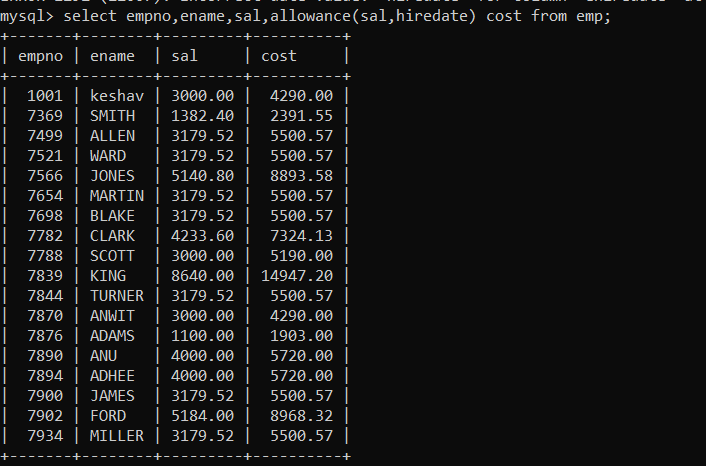
>=2 Year< 4 Year 20% of Salary

>4 Year 30% of Salary



1. 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),

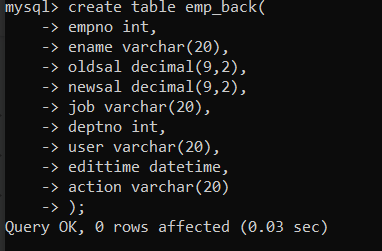
newsal decimal(9,2)

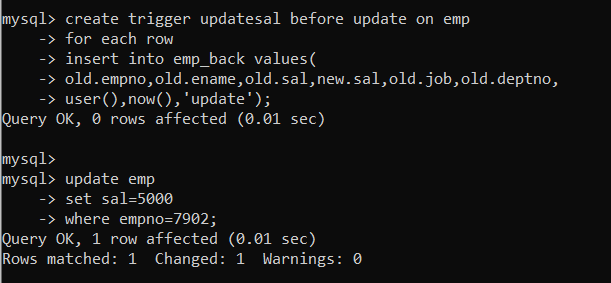
)

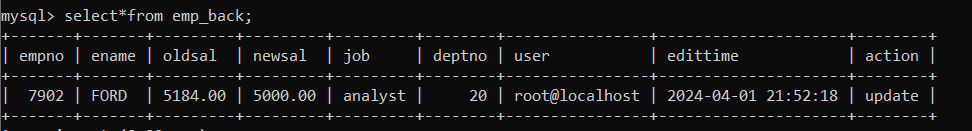
(note :

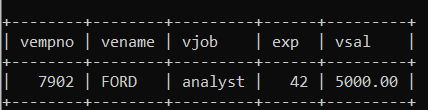
execute procedure written in Q8 and

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









1. 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.

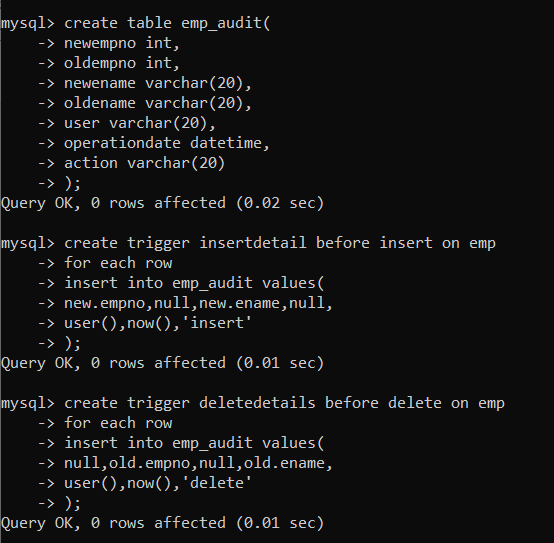
create table empaudit(

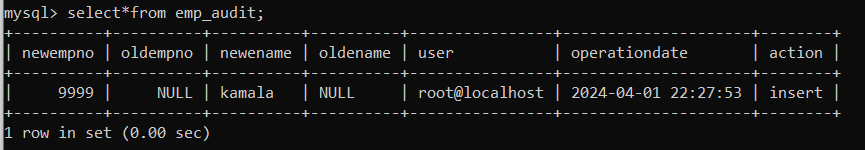
empno int; ename varchar(20), username varchar(20);

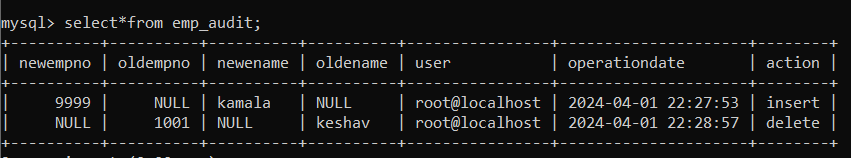
chdate date;

action varchar(20)

);







1. 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)

);

