Experiment No.1

Q.1) Consider the following schema

employee(empid,empname,salary,designation,company_name)
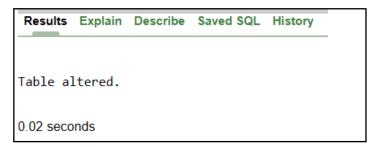
Execute the following queries

1] Create employee table

create table employee(empid int(10),empname varchar2(20),salary varchar2(20),designation varchar2(20),company_name varchar2(20));

Results   Explain   Describe   Saved SQL   History

Table created.

0.08 seconds

2] Add city column into employee.

alter table employee add city varchar2(20);

Results   Explain   Describe   Saved SQL   History

Table altered.

0.02 seconds

3] Insert at least 10 records with meaningful data

- ➢ insert into employee values(1,'Manasi Gawade',85000,'CEO','Google','Mumbai');
- ➢ insert into employee values(2,'Rahul Dikshit',40000,'Manager','TCS','Pune');
- ➢ insert into employee values(3,'Ram Khanna',55000,'software Engineer','Wipro','Mumbai');
- ➢ insert into employee values(4,'Lisa Hendre',65000,'CFO','Infosys','Chennai');
- ➢ insert into employee values(5,'Sonam Gupta',75000,'HR','TCS','Bengaluru');
- ➢ insert into employee values(6,'Jyoti Jadhav',40000,'Jr Software Engineer','Capgemini','Mumbai');
- ➢ insert into employee values(7,'John Arnold',45000,'Software developer','DXC','Hyderabad');
- ➢ insert into employee values(8,'Neo Khabib',65000,'Data Analyst','Infosys','Pune');
- ➢ insert into employee values(9,'Harry Magwire',70000,'ML Engineer','Tesla','Chennai');
- ➢ insert into employee values(10,'Cristanio Patil',55000,'Sr. Engineer','Wipro','Vellore');

EMPID	EMPNAME	SALARY	DESIGNATION	COMPANY_NAME	CITY
1	Manasi Gawade	85000	CEO	Google	Mumbai
2	Rahul Dikshit	40000	Manager	TCS	Pune
3	Ram Khanna	55000	software Engineer	Wipro	Mumbai
4	Lisa Hendre	65000	CFO	Infosys	Chennai
5	Sonam Gupta	75000	HR	TCS	Bengaluru
6	Jyoti Jadhav	40000	Jr Software Engineer	Capgemini	Mumbai
7	John Arnold	45000	Software developer	DXC	Hyderabad
8	Neo Khabib	65000	Data Analyst	Infosys	Pune
9	Harry Magwire	70000	ML Engineer	Tesla	Chennai
10	Cristanio Patil	55000	Sr. Engineer	Wipro	Vellore

10 rows returned in 0.00 seconds   CSV Export

4] Display all employees with their salary

select empname,salary from employee

EMPNAME	SALARY
Manasi Gawade	85000
Rahul Dikshit	40000
Ram Khanna	55000
Lisa Hendre	65000
Sonam Gupta	75000
Jyoti Jadhav	40000
John Arnold	45000
Neo Khabib	65000
Harry Magwire	70000
Cristanio Patil	55000

10 rows returned in 0.00 seconds
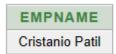
5]) Find the name of the employee along with their id.

select empid,empname from employee

EMPID	EMPNAME
1	Manasi Gawade
2	Rahul Dikshit
3	Ram Khanna
4	Lisa Hendre
5	Sonam Gupta
6	Jyoti Jadhav
7	John Arnold
8	Neo Khabib
9	Harry Magwire
10	Cristanio Patil

10 rows returned in 0.00 seconds
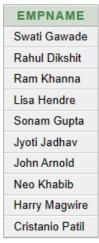
6] Find employees who are living in "Kolhapur".

select empname from employee where city='kolhapur'

EMPNAME
Cristanio Patil

1 rows returned in 0.01 seconds

7] Find name of the employees whose salary is >10000.

select empname from employee where salary>10000

EMPNAME
Swati Gawade
Rahul Dikshit
Ram Khanna
Lisa Hendre
Sonam Gupta
Jyoti Jadhav
John Arnold
Neo Khabib
Harry Magwire
Cristanio Patil

10 rows returned in 0.00 seconds

8] Find name of the employees whose salary is <15000

> ➤ select empname from employee where salary<15000

EMPNAME
Rahul Dikshit

1 rows returned in 0.00 seconds

9] Update designation of employee 11 to 'Asst. Prof.'

> ➤ update employee set designation='Asst.Professor' where empid=6

EMPID	EMPNAME	SALARY	DESIGNATION	COMPANY_NAME	CITY
6	Jyoti Jadhav	40000	Asst.Professor	Capgemini	Mumbai

1 rows returned in 0.00 seconds   CSV Export

10] Delete the employees having designation "supervisor".

EMPID	EMPNAME	SALARY	DESIGNATION	COMPANY_NAME	CITY
1	Swati Gawade	85000	Software Engineer	Google	Mumbai
2	Rahul Dikshit	10000	Manager	TCS	Pune
3	Ram Khanna	55000	software Engineer	Wipro	Mumbai
4	Lisa Hendre	65000	Supervisor	Infosys	Chennai
5	Sonam Gupta	75000	HR	TCS	Bengaluru
6	Jyoti Jadhav	40000	Asst.Professor	Capgemini	Mumbai
7	John Arnold	45000	Software developer	DXC	Hyderabad
8	Neo Khabib	65000	Data Analyst	Infosys	Pune
9	Harry Magwire	70000	ML Engineer	Tesla	Chennai
10	Cristanio Patil	55000	Sr. Engineer	Wipro	kolhapur

10 rows returned in 0.00 seconds   CSV Export

> ➤ delete from employee where designation='Supervisor'

EMPID	EMPNAME	SALARY	DESIGNATION	COMPANY_NAME	CITY
1	Swati Gawade	85000	Software Engineer	Google	Mumbai
2	Rahul Dikshit	10000	Manager	TCS	Pune
3	Ram Khanna	55000	software Engineer	Wipro	Mumbai
5	Sonam Gupta	75000	HR	TCS	Bengaluru
6	Jyoti Jadhav	40000	Asst.Professor	Capgemini	Mumbai
7	John Arnold	45000	Software developer	DXC	Hyderabad
8	Neo Khabib	65000	Data Analyst	Infosys	Pune
9	Harry Magwire	70000	ML Engineer	Tesla	Chennai
10	Cristanio Patil	55000	Sr. Engineer	Wipro	kolhapur

9 rows returned in 0.00 seconds   CSV Export

11] Increment the salary of employees by 5%.

EMPID	EMPNAME	SALARY	DESIGNATION	COMPANY_NAME	CITY
1	Swati Gawade	85000	Software Engineer	Google	Mumbai
2	Rahul Dikshit	10000	Manager	TCS	Pune
3	Ram Khanna	55000	software Engineer	Wipro	Mumbai
5	Sonam Gupta	75000	HR	TCS	Bengaluru
6	Jyoti Jadhav	40000	Asst.Professor	Capgemini	Mumbai
7	John Arnold	45000	Software developer	DXC	Hyderabad
8	Neo Khabib	65000	Data Analyst	Infosys	Pune
9	Harry Magwire	70000	ML Engineer	Tesla	Chennai
10	Cristanio Patil	55000	Sr. Engineer	Wipro	kolhapur

9 rows returned in 0.00 seconds   CSV Export

➢   update employee set salary=salary+ salary*5/100

EMPID	EMPNAME	SALARY	DESIGNATION	COMPANY_NAME	CITY
1	Swati Gawade	89250	Software Engineer	Google	Mumbai
2	Rahul Dikshit	10500	Manager	TCS	Pune
3	Ram Khanna	57750	software Engineer	Wipro	Mumbai
5	Sonam Gupta	78750	HR	TCS	Bengaluru
6	Jyoti Jadhav	42000	Asst.Professor	Capgemini	Mumbai
7	John Arnold	47250	Software developer	DXC	Hyderabad
8	Neo Khabib	68250	Data Analyst	Infosys	Pune
9	Harry Magwire	73500	ML Engineer	Tesla	Chennai
10	Cristanio Patil	57750	Sr. Engineer	Wipro	kolhapur

9 rows returned in 0.00 seconds   CSV Export

12] Find the name of employees having salary between 18000 and 22000.

EMPID	EMPNAME	SALARY	DESIGNATION	COMPANY_NAME	CITY
1	Swati Gawade	89250	Software Engineer	Google	Mumbai
2	Rahul Dikshit	10500	Manager	TCS	Pune
3	Ram Khanna	57750	software Engineer	Wipro	Mumbai
5	Sonam Gupta	78750	HR	TCS	Bengaluru
6	Jyoti Jadhav	42000	Asst.Professor	Capgemini	Mumbai
7	John Arnold	19000	Software developer	DXC	Hyderabad
8	Neo Khabib	68250	Data Analyst	Infosys	Pune
9	Harry Magwire	73500	ML Engineer	Tesla	Chennai
10	Cristanio Patil	57750	Sr. Engineer	Wipro	kolhapur

9 rows returned in 0.00 seconds   CSV Export

➢   select empname from employee where salary between 18000 and 22000

EMPNAME
John Arnold

1 rows returned in 0.00 seconds

13] Find number of employees working in each company.

    select company_name,count(empname) as count from employee group by company_name;

COMPANY_NAME	COUNT
Wipro	2
Tesla	1
Google	1
TCS	2
Capgemini	1
DXC	1
Infosys	1

7 rows returned in 0.02 seconds

14]Find employees having same salary as Ram.

SELECT * FROM employee
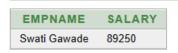
    WHERE salary IN

  (SELECT salary

  FROM employee e

  WHERE employee.empid <> e.empid);

EMPID	EMPNAME	SALARY	DESIGNATION	COMPANY_NAME	CITY
10	Cristanio Patil	57750	Sr. Engineer	Wipro	kolhapur
3	Ram Khanna	57750	software Engineer	Wipro	Mumbai

2 rows returned in 0.00 seconds   CSV Export

15]Find employee having maximum salary.Query

  ➢ SELECT empname,salary FROM employee where salary=(select max(salary) from employee);

EMPNAME	SALARY
Swati Gawade	89250

16]Find company having highest average salary.

select company_name,sal from (select company_name,avg(salary) as sal

from employee

group by company_name)where sal=(select max(sal) from (select company_name,avg(salary) as sal

from employee

group by company_name));

COMPANY_NAME	SAL
Google	89250

1 rows returned in 0.02 seconds   CSV Export