ORACLE LAB EXERCISE - 4

SQL*Plus: Release 11.2.0.2.0 Production on Thu Aug 8 09:23:50 2024

SQL> connect system

Enter password:

Connected.

SQL> create table tbl_employee(emp_id number(5),emp_name varchar(20),esalary number(5));

Table created.

SQL> insert into tbl_employee values(101,'Dharu',3000);

1 row created.

SQL> insert into tbl_employee values(102,'Jaga',4000);

1 row created.

SQL> insert into tbl_employee values(103,'Rocky',5000);

1 row created.

SQL> insert into tbl_employee values(104,'Vijaya',6000);

1 row created.

SQL> insert into tbl_employee values(105,'Chandru',7000);

1 row created.

SQL> select * from tbl_employee;

EMP_ID	EMP_NAME	ESALARY
101	Dharu	3000

102	Jaga	4000
103	Rocky	5000
104	Vijaya	6000
105	Chandru	7000

SQL> insert into tbl_employee (emp_id,esalary) values(106,8000);

1 row created.

SQL> select * from tbl_employee;

EMP_ID	EMP_NAME	ESALARY
101	Dharu	3000
102	Jaga	4000
103	Rocky	5000
104	Vijaya	6000
105	Chandru	7000
106		8000

6 rows selected.

SQL> alter table tbl_employee add dno number;

Table altered.

SQL> select * from tbl_employee;

EMP_ID	EMP_NAME	ESALARY	DNO
101	Dharu	3000	
102	Jaga	4000	
103	Rocky	5000	
104	Vijaya	6000	
105	Chandru	7000	
106		8000	

6 rows selected.

SQL> update tbl_employee set dno=10 where emp_id in (101,102);

2 rows updated.

SQL> update tbl_employee set dno=20 where emp_id in (103,104);

2 rows updated.

SQL> update tbl_employee set dno=30 where emp_id in (105,106);

2 rows updated.

SQL> select dno,count(*) from tbl_employee group by dno;

DNO	COUNT(*)
30	2
20	2
10	2

SQL> select dno,count(*),sum(esalary),avg(esalary),min(esalary),max(esalary) from tbl_employee group by dno;

DNO	COUNT(*)	SUM(ESALARY)	AVG(ESALARY)	MIN(ESALARY)	MAX(ESALARY)
30	2	15000	7500	7000	8000
20	2	11000	5500	5000	6000
10	2	7000	3500	3000	4000

SQL> select dno,count(*),sum(esalary),avg(esalary),min(esalary),max(esalary) from tbl_employee group by dno order by dno;

DNO	COUNT(*)	SUM(ESALARY)	AVG(ESALARY)	MIN(ESALARY)	MAX(ESALARY)
10	2	7000	3500	3000	4000
20	2	11000	5500	5000	6000

30	2	15000	7500	7000	8000

SQL> select dno,count(*),sum(esalary),avg(esalary),min(esalary),max(esalary) from tbl_employee group by dno having min(esalary)>2000 order by dno;

DNO	COUNT(*)	SUM(ESALARY)	AVG(ESALARY)	MIN(ESALARY)	MAX(ESALARY)
30	2	15000	7500	7000	8000
20	2	11000	5500	5000	6000
10	2	7000	3500	3000	4000

SQL> create table tbl_student(rno number(5) primary key,s_name varchar2(20) not null,s_age number(3) check(s_age>0),s_email varchar2(20) unique,s_location varchar2(20) default 'Erode');

Table created.

SQL> insert into tbl_student (rno,s_name,s_age,s_email)values (101,'Dharu','21','dharanisri@gmail.com');

1 row created.

SQL> select * from tbl_student;

RNO	S_NAME	S_AGE	S_EMAIL	S_LOCATION
101	Dharu	21	dharanisri@gmail.com	Erode

SQL> create table department(dno number(5) primary key,dname varchar2(20));

Table created.

SQL> create table employee(eid number(5) primary key,ename varchar2(20),esalary number(5),dno number(5),foreign key(dno) references department(dno));

Table created.

SQL> insert into department values(10,'IT');

1 row created.

SQL> insert into employee values (101,'Dharani',2000,10);

1 row created.

SQL> insert into employee values (102,'Jagadesh',3000,10);

1 row created.

SQL> select * from employee;

EID	ENAME	ESALARY	DNO
101	Dharani	2000	10
102	Jagadesh	3000	10

SQL> select * from department;

DNO	DNAME
10	IT

SQL> create view myview as select * from tbl_employee where dno=10;

View created.

SQL> select * from myview;

EMP_ID	EMP_NAME	ESALARY	DNO
101	Dharu	3000	
102	Jaga	4000	

SQL> select * from tbl_employee;

EMP_ID	EMP_NAME	ESALARY	DNO
101	Dharu	3000	
102	Jaga	4000	

103	Rocky	5000
104	Vijaya	6000
105	Chandru	7000
106		8000

6 rows selected.

SQL> drop view myview;

View dropped.

SQL> select emp_id,emp_name from tbl_employee;

EMP_ID	EMP_NAME
101	Dharu
102	Jaga
103	Rocky
104	Vijaya
105	Chandru
106	

6 rows selected.

SQL> select emp_id as "Employee Id",emp_name "Employee Name" from tbl_employee;

Employee Id	Employee Name
101	Dharu
102	Jaga
103	Rocky
104	Vijaya
105	Chandru
106	

6 rows selected.

SQL> select dno,count(*) from tbl_employee group by dno;

DNO	COUNT(*)
30	2
20	2
10	2

SQL> select dno,count(*) as "Total No of Employees" from tbl_employee group by dno;

DNO	Total No of Employees
30	2
20	2
10	2