Q: EMPLOYEE TABLE

AIM

Create a table employee. The attributes of employee are empno, empname, place, desig, salary, dept_no, dept_name.

Set empno as primary key and also set 100000 as a default salary of employee

Create a constraint where the dept_no ranges from 1 -10

SQL> create table employee(empno int primary key,empname varchar(25), place varchar(20),desig char(20), salary int default 100000,dept_no int,dep_name varchar(20));

SQL> alter table employee
 2 add constraint dept_no check(dept_no>=0 AND dept_no<=10);

a.   Display the empno, empname and salary.

        SQL> select empno,empname,salary from employee;

             EMPNO EMPNAME   SALARY

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              1 susan   110000

              2 alu   500000

              3 Zameel   50000

              4 Summaya   30000

              5 Tebin   30000

              6 Ann   500000

b.   Display all records of employee table

        SQL> select * from employee;

EMPNO	EMPNAME	PLACE	DESIG	SALARY	DEPT_NO	DEP_NAME
1	susan	Kottayam	Officer	110000	5	CS
2	alu	Kottayam	Manager	500000	6	CS
3	Zameel	Kottayam	Programmer	50000	7	IT
4	Summaya	Kollam	officer	30000	8	Accoundant
5	Tebin	Kottayam	officer	30000	8	IT
6	Ann	kochi	CEO	500000	10	office

C .Display the details of the employee whose salary is greater than 10000

SQL> select * from employee where salary>10000;

EMPNO	EMPNAME	PLACE	DESIG	SALARY	DEPT_NO	DEP_NAME
1	susan	Kottayam	Officer	110000	5	CS
2	alu	Kottayam	Manager	500000	6	CS
3	Zameel	Kottayam	Programmer	50000	7	IT
4	Summaya	Kollam	officer	30000	8	Accoundant
5	Tebin	Kottayam	officer	30000	8	IT
6	Ann	kochi	CEO	500000	10	office

d.   Increment the salary of 'officer' by 1000

SQL> update employee set salary=salary+1000 where desig='Officer';

SQL> select * from employee;

EMPNO	EMPNAME	PLACE	DESIG	SALARY	DEPT_NO	DEP_NAME
1	susan	Kottayam	Officer	11000	5	CS
2	alu	Kottayam	Manager	500000	6	CS
3	Zameel	Kottayam	Programmer	50000	7	IT

4 Summaya	Kollam	officer	30000	8 Accoundant
5 Tebin	Kottayam	officer	30000	8 IT
6 Ann	kochi	CEO	500000	10 office

e. Display the name and id of employee whose salary ranges between 10000 and 15000

SQL> select * from employee where salary>=10000 AND salary<=15000;

f. Display the employee details whose name start with 'A'

SQL> select * from employee where empname like 'A%';

EMPNO EMPNAME	PLACE	DESIG	SALARY	DEPT_NO DEP_NAME
6 Ann	kochi	CEO	500000	10 office

g. Change the salary of officer to 15000

SQL> update employee set salary=15000 where desig='Officer';

EMPNO EMPNAME	PLACE	DESIG	SALARY	DEPT_NO DEP_NAME
1 susan	Kottayam	Officer	15000	5 CS
2 alu	Kottayam	Manager	500000	6 CS
3 Zameel	Kottayam	Programmer	50000	7 IT
4 Summaya	Kollam	officer	30000	8 Accoundant
5 Tebin	Kottayam	officer	30000	8 IT
6 Ann	kochi	CEO	500000	10 office

h. Add a column district to the table

SQL> alter table employee add district varchar(20);

EMPNO EMPNAME	PLACE	DESIG	SALARY	DEPT_NO DEP_NAME	DISTRICT

1 susan	Kottayam	Officer	15000	5 CS		
2 alu	Kottayam	Manager	500000	6 CS		
3 Zameel	Kottayam	Programmer	50000	7 IT		
4 Summaya	Kollam	officer	30000	8 Accoundant		
5 Tebin	Kottayam	officer	30000	8 IT		
6 Ann	kochi	CEO	500000	10 office		

i.   Delete the column district

SQL> alter table employee drop column district;

SQL> select * from employee;

EMPNO EMPNAME	PLACE	DESIG	SALARY	DEPT_NO DEP_NAME
1 susan	Kottayam	Officer	15000	5 CS
2 alu	Kottayam	Manager	500000	6 CS
3 Zameel	Kottayam	Programmer	50000	7 IT
4 Summaya	Kollam	officer	30000	8 Accoundant
5 Tebin	Kottayam	officer	30000	8 IT
6 Ann	kochi	CEO	500000	10 office

j.   Modify the column name desig to designation

SQL> alter table employee rename column desig to designation;

EMPNO EMPNAME	PLACE	DESIGNATION	SALARY	DEPT_NO DEP_NAME
1 susan	Kottayam	Officer	15000	5 CS
2 alu	Kottayam	Manager	500000	6 CS
3 Zameel	Kottayam	Programmer	50000	7 IT
4 Summaya	Kollam	officer	30000	8 Accoundant
5 Tebin	Kottayam	officer	30000	8 IT
6 Ann	kochi	CEO	500000	10 office