

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES

SCHOOL OF COMPUTER APPLICATIONS

DEPARTMENT OF COMPUTER APPLICATIONS

SUBMITTED BY

STUDENT NAME	HARSH SAINI
ROLL NO	24/SCA/BCA(AI&ML)/025
PROGRAMME	BACHELOR OF COMPUTER APPLICATION
SEMESTER	1st SEMESTER
SECTION/GROUP	1B AI/ML/G1
DEPARTMENT	COMPUTER APPLICATION
BATCH	2024-27

SUBMITTED TO

FACULTY NAME

PRACTICAL ASSIGNMENT-1

Q1- Insert five records to each table?

Q1: Create a table called employee with the following structure?

- a. Add a column commission with domain to the Employee table.
- b. Insert any five records into the table.
- c. Update the column details of job
- d. Rename the column of Employ table using alter command.
- e. Delete the employee whose empno is 19.

ANS=

```
1 create table employee(emp_no number primary key,e_name varchar2(30),job varchar2(30),mgr number,salary number);
2 insert into employee values(01,'riaz','software develpoer',100,125000);
3 insert into employee values(02,'harsh','app designer',250,250000);
4 insert into employee values(03,'rahul','web developer',300,352000);
5 insert into employee values(04,'shubham','ai designer',500,400000);
6 insert into employee values(19,'astitva','data manager',400,520000);
7 select * from employee;
8 alter table employee add(comission number);
9 alter table employee rename column emp_no to E_no;
10 select * from employee;
11 delete from employee where E_no=19;
12 select * from employee;
```

E_NO	E_NAME	JOB	MGR	SALARY	COMISSION
1	riaz	software develpoer	100	125000	-
2	harsh	app designer	250	250000	-
3	rahul	web developer	300	352000	-
4	shubham	ai designer	500	400000	-

Q: Create department table with the following structure?

Ans:

1.add table designation to the department table

```
create table department(dept_no number, name varchar2(25), area varchar2(25));
alter table department add(designation varchar2(25));
```

2.insert values into the table

```
create table department(dept_no number, name varchar2(25), area varchar2(25));
alter table department add(designation varchar2(25));
insert into department values(039,'riaz','badhkal','faridabad');
insert into department values(011,'astitva','greenvalley','faridabad');
insert into department values(078,'mohit','south delhi','delhi');
insert into department values(025,'harsh','rewari','haryana');
insert into department values(004,'aman','sector 45','gurugram');
select * from department;
```

DEPT_NO	NAME	AREA	DESIGNATION
39	riaz	badhkal	faridabad
11	astitva	greenvalley	faridabad
78	mohit	south delhi	delhi
25	harsh	rewari	haryana
4	aman	sector 45	gurugram

3.list the table of department list by department no.

```
select * from department where dept_no=078;
```

DEPT_NO	NAME	AREA	DESIGNATION
78	mohit	south delhi	delhi

4.update the record where department no is 4.

```
update department set area= 'DLF-1' where dept_no=004;
```

DEPT_NO	NAME	AREA	DESIGNATION
39	riaz	badhkal	faridabad
11	astitva	greenvalley	faridabad
78	mohit	south delhi	delhi
25	harsh	rewari	haryana
4	aman	DLF-1	gurugram

5.Delete any column data from table?

```
delete from department where dept_no=004;
select * from department;
```

DEPT_NO	NAME	AREA	DESIGNATION
39	riaz	badhkal	faridabad
11	astitva	greenvalley	faridabad
78	mohit	south delhi	delhi
25	harsh	rewari	haryana

Q3=Create a table called sailor table?

a. Add column age to the sailor table?

a. Add column age to the sailor table.

```
create table sailor(sid number,S_name varchar2(30),rating number);  
alter table sailor add(age number);
```

b. Insert values into the sailor table.

```
insert into sailor values(01,'Riaz',10,20);  
insert into sailor values(02,'Astitva',7,18);  
insert into sailor values(03,'Harsh',8,19);  
select * from sailor;
```

SID	S_NAME	RATING	AGE
1	Riaz	10	20
2	Astitva	7	18
3	Harsh	8	19

C. Delete the row with rating >8.

```
delete from sailor where rating >(8);  
select * from sailor;
```

SID	S_NAME	RATING	AGE
3	Harsh	8	19
2	Astitva	7	18
3	Harsh	8	19

d. Update the column details of sailor.

```
update sailor set age=18 where rating=8;
select * from sailor;
```

SID	S_NAME	RATING	AGE
2	Astitva	7	18
3	Harsh	8	18

e. Insert null values into the table.

```
insert into sailor values(04,'yash',8,null);
select * from sailor;
```

SID	S_NAME	RATING	AGE
1	Riaz	10	20
2	Astitva	7	18
3	Harsh	8	19
4	yash	8	-

Q4- Create a table called branch table?

Ans=

```
1 create table branch(branch_name varchar2(30),city varchar2(23),assets varchar2(34));
2 insert into branch values('sector 3','rewari','transport');
3 insert into branch values('qutubpur','rewari','refreshment');
4 insert into branch values('secror 21c','faridabad','budget');
5 select * from branch;
```

BRANCH_NAME	CITY	ASSETS
sector 3	rewari	transport
qutubpur	rewari	refreshment
secror 21c	faridabad	budget

A. Increase the size of data type for assets to the branch.

ans=

```
alter table branch modify(assets varchar(45));  
desc branch;
```

TABLE BRANCH

Column	Null?	Type
BRANCH_NAME	-	VARCHAR2(30)
CITY	-	VARCHAR2(23)
ASSETS	-	VARCHAR2(45)

b- add and drop a column to the branch table
add:

```
alter table branch add(branch_no number);  
desc branch;
```


TABLE BRANCH

Column	Null?	Type
BRANCH_NAME	-	VARCHAR2(30)
CITY	-	VARCHAR2(23)
ASSETS	-	VARCHAR2(45)
BRANCH_NO	-	NUMBER

Drop=

```
alter table branch drop(assets);  
desc branch;
```

TABLE BRANCH

Column	Null?	Type
BRANCH_NAME	-	VARCHAR2(30)
CITY	-	VARCHAR2(23)
BRANCH_NO	-	NUMBER

C Insert values to the table.

```
create table branch(branch_name varchar2(25),city varchar2(25),assets varchar2(25));
insert into branch values('sector 5','rewari','transport');
insert into branch values('sector 45','gurugram','medicines');
select * from branch;
```

BRANCH_NAME	CITY	ASSETS
sector 5	rewari	transport
sector 45	gurugram	medicines

Q6. Create a table called reserves table.

A. Insert values into the reserves table.

```
create table reserves(boat_id integer,sid integer,day integer);  
insert into reserves values(01,100,1);  
insert into reserves values(02,200,2);  
insert into reserves values(05,550,56);  
select * from reserves;
```

BOAT_ID	SID	DAY
1	100	1
2	200	2
5	550	56

b. Add column to the reserves table.

```
alter table reserves add(time varchar2(20));  
select * from reserves;
```

BOAT_ID	SID	DAY	TIME
1	100	1	-
2	200	2	-
5	550	56	-
1	100	1	-
2	200	2	-
5	550	56	-