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RAJALAKSHMI
ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

CS23332 DATABASE MANAGEMENT
SYSTEMS LAB

Laboratory Record Notebook

Name:

Year / Branch / Section:

University Register No:

College Roll No:

Semester:

Academic Year:

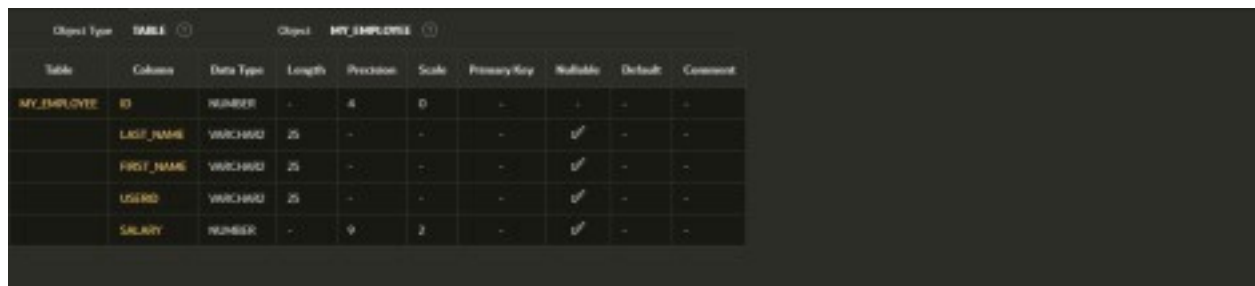
CS23332 DATABASE MANAGEMENT SYSTEMS

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|----------|--------------------|
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| | | |
|----------|------------|--|
| Ex.No.:1 | | CREATION OF BASE TABLE AND DML OPERATIONS |
| Date: | 01/08/2024 | |

1) Create MY_EMPLOYEE table with the following structure

```
CREATE TABLE MY_EMPLOYEE(
ID      Number(4)      NOT      NULL,
Last_name Varchar(25), First_name
Varchar(25),   Userid  Varchar(25),
Salary Number(9,2) );
```



The screenshot shows a database tool interface with a table named MY_EMPLOYEE. The table structure is as follows:

| Table | Columns | Data Type | Length | Precision | Scale | Primary Key | Nullable | Default | Comment |
|-------------|------------|-----------|--------|-----------|-------|-------------|----------|---------|---------|
| MY_EMPLOYEE | ID | NUMBER | - | 4 | 0 | - | - | - | - |
| | LAST_NAME | VARCHAR2 | 25 | - | - | - | ✓ | - | - |
| | FIRST_NAME | VARCHAR2 | 25 | - | - | - | ✓ | - | - |
| | USERID | VARCHAR2 | 25 | - | - | - | ✓ | - | - |
| | SALARY | NUMBER | - | 9 | 2 | - | ✓ | - | - |

2) Add the first row and second rows data to MY_EMPLOYEE table from the sample table

Insert into

```
MY_EMPLOYEE(&ID,&LAST_NAME,&FIRST_NAME,&USERID,&SALARY
)
values(1,"Patel","Ralph","rpatel",895
2,"Dancs","Betty","bdancs",860);
```

3) Display the table with values

```
Select * from MY_EMPLOYEE;
```

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|-----------|--------|
| 2 | Dancs | Betty | bdancs | 850 |
| 4 | Newman | Chad | Chewman | 750 |
| 1 | Patel | Rajiv | rpate1 | 895 |
| 3 | Ben | Ben | BBen | 100 |
| 5 | Roperbur | Anthony | aroperbur | 100 |

5 rows returned in 0.00 seconds [Download](#)

4) populate the next two rows of data from the sample data. Concatenate the first letter of the first_NAME with first seven letters of the last_name to produce Userid

Update MY_EMPLOYEES

Set Userid = substr(first_name,1,1) || substr(last_name,1,7)
Where ID in (3,4);

5) delete Betty dancs from my_employee

table`1 Delete from MY_EMPLOYEE
Where FIRST_NAME = 'Betty' and LAST_NAME = 'Dancs';

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|-----------|--------|
| 1 | Patel | Rajiv | rpate1 | 895 |
| 5 | Ben | Ben | BBen | 100 |
| 4 | Newman | Chad | Chewman | 750 |
| 5 | Roperbur | Anthony | aroperbur | 100 |

4 rows returned in 0.00 seconds [Download](#)

6) Empty the fourth row of the emp table

Delete from MY_EMPLOYEE

Where ID = 5;

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|---------|--------|
| 1 | Patel | Rajiv | rpate1 | 895 |
| 5 | Ben | Ben | BBen | 100 |
| 4 | Newman | Chad | Chewman | 750 |

7) Make the data additions

permanent [Commit](#);

8) Change the last name of employee 3 to Drexler

Update MY_EMPLOYEE

Set LAST_NAME = "Drexler"

Where ID = 3;

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|-----------|--------|
| 1 | Patel | Ralph | rpatel | 895 |
| 3 | Drexler | Ben | Eden | 1000 |
| 4 | Hennessy | Chad | CHennessy | 790 |

3 rows returned in 0.01 seconds [Download](#)

9) Change the salary to 1000 for all the employees with a salary less than 900.

Update MY_EMPLOYEE

Set salary = 1000

Where salary < 900;

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|-----------|--------|
| 1 | Patel | Ralph | rpatel | 1000 |
| 3 | Drexler | Ben | Eden | 1000 |
| 4 | Hennessy | Chad | CHennessy | 1000 |

3 rows returned in 0.00 seconds [Download](#)