

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

**CS23332 DATABASE MANAGEMENT
SYSTEMS LAB**

Laboratory Record Notebook

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Semester: III

Academic Year: 2024 - 2025

CS23332 DATABASE MANAGEMENT SYSTEMS

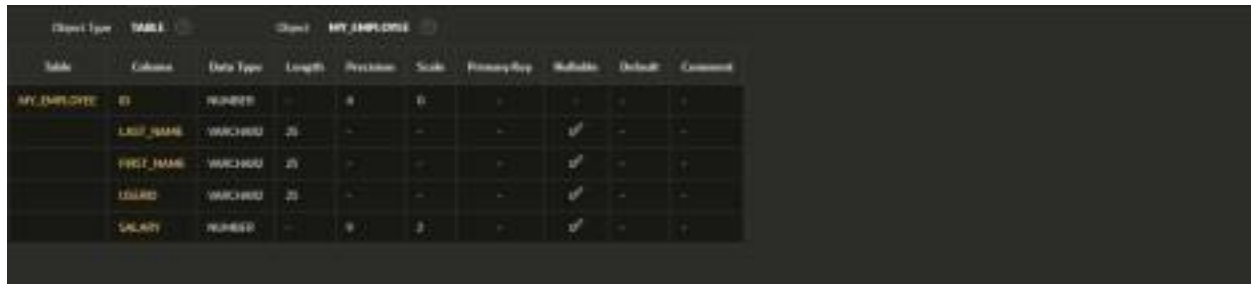
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Ex.No.: 1	CREATION OF BASE TABLE AND DML OPERATIONS
Date: 01/08/2024	

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 the structure of the MY_EMPLOYEE table. It has five columns: ID, LAST_NAME, FIRST_NAME, USERID, and SALARY. The data types are NUMBER(9,2) for ID and SALARY, VARCHAR(25) for LAST_NAME and FIRST_NAME, and VARCHAR(25) for USERID. The PRIMARY KEY is on the ID column. The NOT NULL constraint is checked for all columns.

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

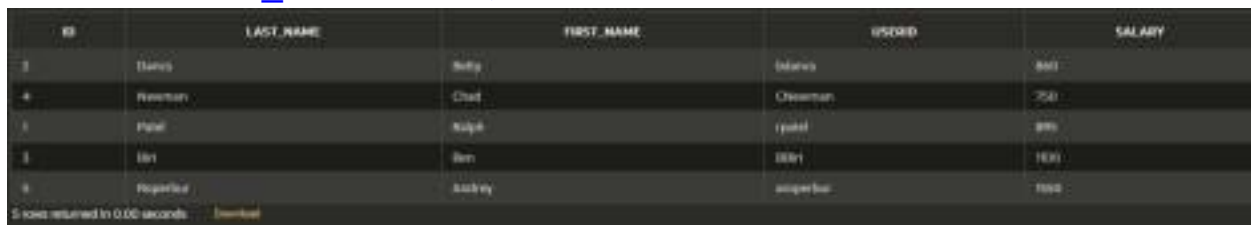
2) Add the first row and second rows data to MY_EMPLOYEE table from the sample table

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;



The screenshot shows the data in the MY_EMPLOYEE table. It has five columns: ID, LAST_NAME, FIRST_NAME, USERID, and SALARY. The data is as follows:

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Dancs	Betty	bdancs	860
2	Patel	Ralph	rpatel	895
3	Ben	Ben	BBen	1000
4	Popper	Sally	sally	1000

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	Ford	Ralph	rford	900
3	Dei	Ben	DBA1	1000
4	Newman	Chad	CHNewman	700
5	Wagner	Andrew	awagner	1500

3 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	Ford	Ralph	rford	900
3	Dei	Ben	DBA1	1000
4	Newman	Chad	CHNewman	700

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	Ford	Ralph	rford	900
3	Drexler	Ben	DBA1	1000
4	Newman	Chad	CHNewman	700

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	Aditya	cpatel	1000
3	Desai	Dev	EDev	100
4	Menon	Chad	CMenon	2000
3 rows returned in 0.00 seconds. Download				