

EXPERIMENT: 1

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DATE: 26.07.2024

CREATION OF DATABASE AND DML OPERATIONS

1. Create MY_EMPLOYEE table with the following structure

NAME	NULL?	TYPE
ID	Not null	Number(4)
Last_name		Varchar(25)
First_name		Varchar(25)
Userid		Varchar(25)
Salary		Number(9,2)

create table MY_EMPLOYEE(ID NUMBER(4) NOT NULL, LAST_NAME VARCHAR(25), FIRST NAME VARCHAR(25), SALARY NUMBER(9,2));

Column Name	Data Type	Nullable	Default	Primary Key
ID	NUMBER(4,0)	No	-	-
LAST_NAME	VARCHAR2(25)	Yes	-	-
FIRST_NAME	VARCHAR2(25)	Yes	-	-
USERID	VARCHAR2(25)	Yes	-	-
SALARY	NUMBER(9,2)	Yes	-	-
1 - 5				

2. Add the first and second rows data to MY_EMPLOYEE table from the following sample data.

ID	Last_name	First_name	Userid	salary
1	Patel	Ralph	rpatel	895
2	Dancs	Betty	bdancs	860
3	Biri	Ben	bbiri	1100
4	Newman	Chad	Cnewman	750
5	Ropebur	Audrey	aropebur	1550

insert all

into MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY)
values (1, 'Patel', 'Ralph', 'rpatel', 895)

into MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY)
values (2, 'Dancs', 'Betty', 'bdancs', 860)

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into MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY)
values (3, 'Biri', 'Ben', 'bbiri', 1100)
into MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY)
values (4, 'Newman', 'Chad', 'Cnewman', 750)
into MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY)
values (1, 'Ropebur', 'Audrey', 'aropebur', 1550);

```

EDIT	ID	LAST_NAME	FIRST_NAME	USERID	SALARY
	1	Patel	Ralph	rpatel	895
	2	Dancs	Betty	bdancs	860
	3	Biri	Ben	bbiri	1100
	4	Newman	Chad	Cnewman	750
	5	Ropebur	Audrey	aropebur	1550
row(s) 1 - 5 of 5					

3. Display the table with values

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select * from MY_EMPLOYEE;
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Results	Explain	Describe	Saved SQL	History																														
<table> <tr> <th>ID</th><th>LAST_NAME</th><th>FIRST_NAME</th><th>USERID</th><th>SALARY</th></tr> <tr> <td>1</td><td>Patel</td><td>Ralph</td><td>rpatel</td><td>895</td></tr> <tr> <td>2</td><td>Dancs</td><td>Betty</td><td>bdancs</td><td>860</td></tr> <tr> <td>3</td><td>Biri</td><td>Ben</td><td>bbiri</td><td>1100</td></tr> <tr> <td>4</td><td>Newman</td><td>Chad</td><td>Cnewman</td><td>750</td></tr> <tr> <td>5</td><td>Ropebur</td><td>Audrey</td><td>aropebur</td><td>1550</td></tr> </table>					ID	LAST_NAME	FIRST_NAME	USERID	SALARY	1	Patel	Ralph	rpatel	895	2	Dancs	Betty	bdancs	860	3	Biri	Ben	bbiri	1100	4	Newman	Chad	Cnewman	750	5	Ropebur	Audrey	aropebur	1550
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5 rows returned in 0.04 seconds Download																																		

4. Populate the next two rows of data from the sample data. Concatenate the first letter of the first_name with the first seven characters of the last_name to produce Userid. **insert all**

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into MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY)
values (6, 'Priyanga', 'Mohan', 'pmohan', 7897)
into MY_EMPLOYEE(ID, LAST_NAME, FIRST_NAME, USERID, SALARY)
values (7, 'Steve', 'Jack', 'jsteve', 9879);

```

EDIT	ID	LAST_NAME	FIRST_NAME	USERID	SALARY
	1	Patel	Ralph	rpatel	895
	2	Dancs	Betty	bdancs	860
	6	Steve	Jack	jsteve	9879
	7	Priya	Mohan	pmohan	7897
	3	Biri	Ben	bbiri	1100
	4	Newman	Chad	Cnewman	750
	5	Ropebur	Audrey	aropebur	1550
row(s) 1 - 7 of 7					

5. Delete Betty dancs from MY_EMPLOYEE table.






delete from MY_EMPLOYEE where LAST_NAME='Dancs';

1 row(s) deleted.

EDIT	ID	LAST_NAME	FIRST_NAME	USERID	SALARY
	1	Patel	Ralph	rpatel	895
	6	Steve	Jack	jsteve	9879
	7	Priya	Mohan	pmohan	7897
	3	Biri	Ben	bbiri	1100
	4	Newman	Chad	Cnewman	750
	5	Ropebur	Audrey	aropebur	1550
row(s) 1 - 6 of 6					

6. Empty the fourth row of the emp table.

delete from MY_EMPLOYEE where ID=4;

EDIT	ID	LAST_NAME	FIRST_NAME	USERID	SALARY
	1	Patel	Ralph	rpatel	895
	6	Steve	Jack	jsteve	9879
	7	Priya	Mohan	pmohan	7897
	3	Biri	Ben	bbiri	1100
	5	Ropebur	Audrey	aropebur	1550
row(s) 1 - 5 of 5					





7. Make the data additions permanent.

commit;

8. Change the last name of employee 3 to Drexler.






update MY_EMPLOYEE set LAST_NAME='Dexler' where

ID=3; 1 row(s) updated.

EDIT	ID	LAST_NAME	FIRST_NAME	USERID	SALARY
	1	Patel	Ralph	rpatel	895
	6	Steve	Jack	jsteve	9879
	7	Priya	Mohan	pmohan	7897
	3	Dexler	Ben	bbiri	1100
	5	Ropebur	Audrey	aropebur	1550
row(s) 1 - 5 of 5					

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;

EDIT	ID	LAST_NAME	FIRST_NAME	USERID	SALARY
	1	Patel	Ralph	rpatel	1000
	6	Steve	Jack	jsteve	9879
	7	Priya	Mohan	pmohan	7897
	3	Dexler	Ben	bbiri	1100
	5	Ropebur	Audrey	aropebur	1550
row(s) 1 - 5 of 5					