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EXPERIMENT: 1

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

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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)

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

select * from MY_EMPLOYEE;

Results Explain Describe Saved SQL History

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

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**

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