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

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

update MY_EMPLOYEE
set userid= SUBSTR(first_name, 1, 1) || SUBSTR(last_name,1, 7)

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