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	127	-
FIRST_NAME	VARCHAR2(25)	Yes	1+1	-
USERID	VARCHAR2(25)	Yes	121	-
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

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

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

into MY_EMPLOYEE(ID,LAST_NAME,FIRST_NAME,USERID,SALARY) values (3,'Biri','Ben','bbiri',1100)

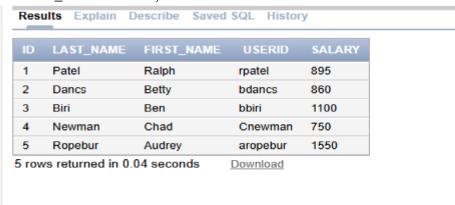
into MY_EMPLOYEE(ID,LAST_NAME,FIRST_NAME,USERID,SALARY) values (4,'Newman','Chad','Cnewman',750)

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
Z.	3	Biri	Ben	bbiri	1100
Ø	4	Newman	Chad	Cnewman	750
Ø	5	Ropebur	Audrey	aropebur	1550
				row(s) 1 - 5 of 5

3. Display the table with values

select * from MY_EMPLOYEE;

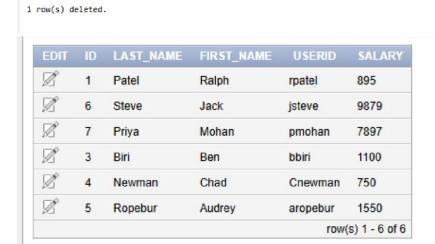


4. Populate the next two rows of data from the sample data. Concatenate the first letter of the first_name with the first seven characters of the last_name to produce Userid. insert all into MY_EMPLOYEE(ID,LAST_NAME,FIRST_NAME,SALARY)values (6,'Priyanga','Mohan',7897) into MY_EMPLOYEE(ID,LAST_NAME,FIRST_NAME,SALARY) 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
Z.	1	Patel	Ralph	rpatel	895
Z ^c	2	Dancs	Betty	bdancs	860
Z.	6	Steve	Jack	jsteve	9879
Z ^c	7	Priya	Mohan	pmohan	7897
Z ^c	3	Biri	Ben	bbiri	1100
Z ^o	4	Newman	Chad	Cnewman	750
Z ^o	5	Ropebur	Audrey	aropebur	1550
				row(s) 1 - 7 of 7

Delete Betty dancs from MY _EMPLOYEE table.
 delete from MY_EMPLOYEE where LAST_NAME='Dancs';



6. Empty the fourth row of the emp table.delete from MY_EMPLOYEE where ID=4;

EDIT	ID	LAST_NAME	FIRST_NAME	USERID	SALARY
D'	1	Patel	Ralph	rpatel	895
Ø	6	Steve	Jack	jsteve	9879
Z.	7	Priya	Mohan	pmohan	7897
Ø	3	Biri	Ben	bbiri	1100
Z	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.

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
	1 6 7 3	1 Patel 6 Steve 7 Priya 3 Dexler	1 Patel Ralph 6 Steve Jack 7 Priya Mohan 3 Dexler Ben	1 Patel Ralph rpatel 6 Steve Jack jsteve 7 Priya Mohan pmohan 3 Dexler Ben bbiri

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
Z ^e	1	Patel	Ralph	rpatel	1000
Z ^e	6	Steve	Jack	jsteve	9879
Z ^o	7	Priya	Mohan	pmohan	7897
Z ^e	3	Dexler	Ben	bbiri	1100
Ø	5	Ropebur	Audrey	aropebur	1550
				row(s) 1 - 5 of 5

CSE(CYBER SECURITY)-2nd YEAR