**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)

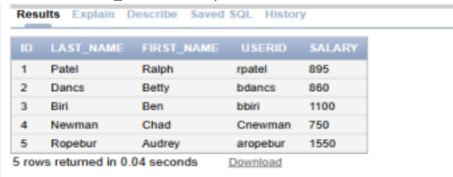
into MY\_EMPLOYEE(ID,LAST\_NAME,FIRST\_NAME,USERID,SALARY) values (4,'Newman','Chad','Cnewman',750)

into MY\_EMPLOYEE(ID,LAST\_NAME,FIRST\_NAME,USERID,SALARY) values (1,'Ropebur','Audrey','aropebur',1550);

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

6. Empty the fourth row of the emp table.

### delete from MY\_EMPLOYEE where ID=4;

EDIT	ID	LAST_NAME	FIRST_NAME	USERID	SALARY
Z	1	Patel	Ralph	rpatel	895
Z°	6	Steve	Jack	jsteve	9879
Ø	7	Priya	Mohan	pmohan	7897
Ø	3	Biri	Ben	bbiri	1100
Z.	5	Ropebur	Audrey	aropebur	1550
	row(s) 1 - 5 of 5				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
Z.	1	Patel	Ralph	rpatel	895
Ø	6	Steve	Jack	jsteve	9879
Ø	7	Priya	Mohan	pmohan	7897
Z.	3	Dexler	Ben	bbiri	1100
Ø	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
Z	1	Patel	Ralph	rpatel	1000
Ø	6	Steve	Jack	jsteve	9879
Ø	7	Priya	Mohan	pmohan	7897
Ø	3	Dexler	Ben	bbiri	1100
Z	5	Ropebur	Audrey	aropebur	1550
				row(	s) 1 - 5 of 5

CSE(CYBER SECURITY)-2<sup>nd</sup> YEAR