

**VENSELVAM.V 231901061**

**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 <a href="#">Download</a>				

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                                                                   |    |           |            |          |        |