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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),Last_name varchar (25),First_name varchar(25),userid 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	-	-

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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 into my_employee(Id,Last_name,First_name,userid,salary)
values(1,'patel','Ralph','rpatel',895);
insert into my_employee(Id,Last_name,First_name,userid,salary)
 values (2,'dancs','betty','bdancs',860);
```

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
2	Dancs	Betty	bdancs	860

3. Display the table with values

```
Select *from my_employee
```

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
2	Dancs	Betty	bdancs	860

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 into my_employee(Id,Last_name,First_name,salary)
 values (3,'Biri','Ben',1100);
insert into my_employee(Id,Last_name,First_name,salary)
values (4,'Newman','chad',750);
update my_employee
set userid= SUBSTR(first_name, 1, 1) || SUBSTR(last_name,1, 7)
```

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
2	Dancs	Betty	bdancs	860
3	Biri	Ben	bbri	1100
4	Newman	chad	Cnewman	750

4 rows returned in 0.01 seconds Download

5. Delete Betty dancs from MY _EMPLOYEE table.

6. delete from my_employee where first_name='Betty';

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
3	Biri	Ben	bbri	1100
4	Newman	chad	Cnewman	750

7. Empty the fourth row of the emp table.

   delete from my_employee where ID=4;

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
3	Biri	Ben	bbri	1100

8. Make the data additions permanent.

   commit;

9. Change the last name of employee 3 to Drexler.

   update my_employee

   set last_name='Drexler' where ID=3;

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
3	Drexler	Ben	bbri	1100

10. Change the salary to 1000 for all the employees with a salary less than 900.

```
update my_employee
set salary=1000 where salary<900;
```

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	1000
3	Drexler	Ben	bbri	1100