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SUBMITTED TO:

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SUBJECT: DBMS LAB

SUBJECT CODE: CS212L

TOTAL PAGES SUBMITTED: 5

ASSIGNMENT – 2

ON: MANIPULATING DATA – DML

Q1. Run the statement in the lab2_1.sql script to build the MY_EMPLOYEE table to be used for the lab.

Ans1.

```
CREATE TABLE MY_EMPLOYEE  
( ID NUMBER(4) NOT NULL,  
LAST_NAME VARCHAR2(25),  
FIRST_NAME VARCHAR2(25),  
USERID VARCHAR2(8),  
SALARY NUMBER(9,2));
```

Q2. Describe the structure of the MY_EMPLOYEE table to identify the column names.

NAME	NULL?	TYPE
ID		NUMBER(4)
LAST_NAME		VARCHAR2(25)
FIRST_NAME		VARCHAR2(25)
USERID		VARCHAR2(8)
SALARY		NUMBER(9,2)

Ans2.

```
DESCRIBE MY_EMPLOYEE;
```

Verification table-

Work Screen

File or URL: No file chosen

Enter statements:

DESCRIBE MY_EMPLOYEE;

Name	Null?	Type
ID	NOT NULL	NUMBER(4)
LAST_NAME		VARCHAR2(25)
FIRST_NAME		VARCHAR2(25)
USERID		VARCHAR2(8)
SALARY		NUMBER(9,2)

Q3.Add the first row of data to the MY_EMPLOYEE table from the following sample data. Do not list the columns in the INSERT clause.

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	Ropeburn	Audrey	aropebur	1550

Ans3.

INSERT INTO MY_EMPLOYEE

VALUES (1, 'Patel', 'Ralph', 'rpatel', 895);

Q4. Populate the MY_EMPLOYEE table with the second row of sample data from the preceding list. This time, list the columns explicitly in the INSERT clause.

Ans4.

INSERT INTO MY_EMPLOYEE

(ID, LAST_NAME, FIRST_NAME, USERID, SALARY)

VALUES (2,'Dancs', 'Betty', 'bdancs', 860);

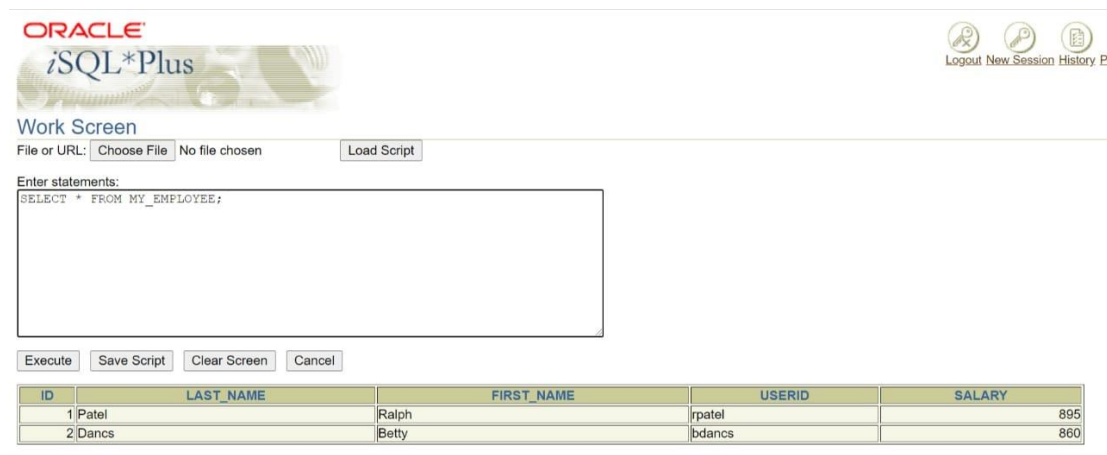
Q5. Confirm your addition to the table.

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

Ans5.

```
SELECT * FROM MY_EMPLOYEE;
```

Verification table-



The screenshot shows the Oracle iSQL*Plus interface. At the top, there's a header with the Oracle logo and navigation links: Logout, New Session, History, and Preferences. Below the header, the 'Work Screen' section contains a 'File or URL' field with a 'Choose File' button and a 'Load Script' button. The 'Enter statements:' text area contains the SQL query: `SELECT * FROM MY_EMPLOYEE;`. Below the text area are buttons for 'Execute', 'Save Script', 'Clear Screen', and 'Cancel'. The 'Execute' button has been clicked, and the results are displayed in a table below.

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

Q6. Populate the MY_EMPLOYEE table with the third, forth, and fifth row of the sample data provided in question 3. Verify the insertions.

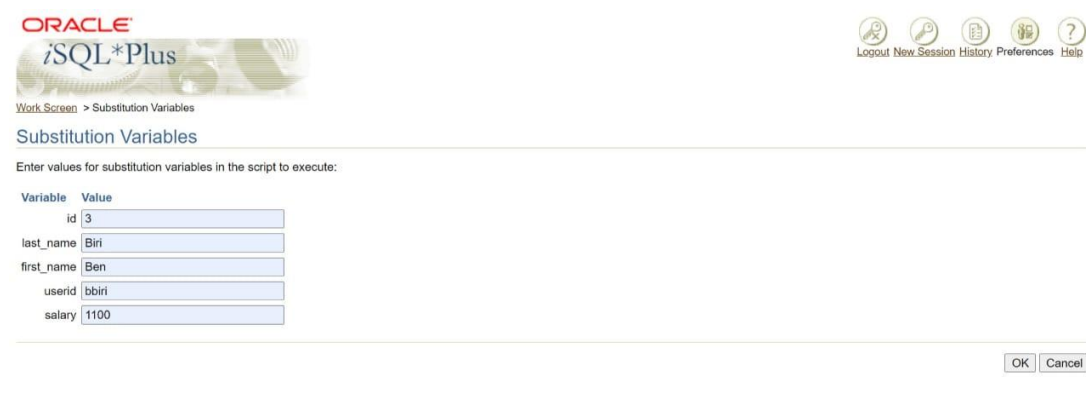
Ans6.

```
INSERT INTO MY_EMPLOYEE
```

```
(ID, LAST_NAME, FIRST_NAME, USERID, SALARY)
```

```
VALUES (&ID, '&LAST_NAME', '&FIRST_NAME', '&USERID', &SALARY);
```

Pop up window 1-



The screenshot shows the 'Substitution Variables' dialog box in Oracle iSQL*Plus. The dialog has a title bar 'Substitution Variables' and a subtitle 'Enter values for substitution variables in the script to execute:'. It contains a table with two columns: 'Variable' and 'Value'. The variables listed are 'id', 'last_name', 'first_name', 'userid', and 'salary'. The values entered are '3', 'Biri', 'Ben', 'bbiri', and '1100' respectively. At the bottom right, there are 'OK' and 'Cancel' buttons.

Variable	Value
id	3
last_name	Biri
first_name	Ben
userid	bbiri
salary	1100

Pop up window 2-



Work Screen > Substitution Variables

Substitution Variables

Enter values for substitution variables in the script to execute:

Variable	Value
id	<input type="text" value="4"/>
last_name	<input type="text" value="Newman"/>
first_name	<input type="text" value="Chad"/>
userid	<input type="text" value="cnewman"/>
salary	<input type="text" value="750"/>

OK Cancel

Pop up window 3-



Work Screen > Substitution Variables

Substitution Variables

Enter values for substitution variables in the script to execute:

Variable	Value
id	<input type="text" value="5"/>
last_name	<input type="text" value="Ropeburn"/>
first_name	<input type="text" value="Audrey"/>
userid	<input type="text" value="aropebur"/>
salary	<input type="text" value="1550"/>

OK Cancel

SELECT * FROM MY_EMPLOYEE;

Verification table-



Work Screen

File or URL: No file chosen

Enter statements:

```
SELECT * FROM MY_EMPLOYEE;
```

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	Ropeburn	Audrey	aropebur	1550