COLLEGE OF COMPUTER STUDIES
ITE 014 - Information Management
FINALS

Name: Rubrica, Joebrix F.	**Date: April 25, 2024**
Program/Section: IT22S5	**Instructor: Ms. Nila Santiago**
Assessment Task: Finals Laboratory Activity 2 Manipulating Data	

Instructions:

- **Study the Topic 5.2 and answer the following questions. Work individually**
- Connect to your SQL Plus using the **ora2 user. Example: ora2/ora2@eweb3**
- Perform and Analyze the questions from the link provided below.
    - LASTNAME_FINALSLABACTIVITY2PRACTICESET8.DOCX
- Include a brief description/caption of each image
- No need to save the scripts, include only the screenshots of your SQL and its output
- **Compile all your answers in one (1) documentation only for Practice Set 8**
- Using the format provided in the link, submit your assignment by uploading the file with the correct file name in **DOCX** format.
- Kindly take note of the deadline for submission. Submit your work 5 to 10 minutes before the due time to avoid errors.
- Strictly, late submissions will NOT be accepted. You have 1 attempt only.
- Each item corresponds to one (1) point, total points is 11.

Sample Screenshot:

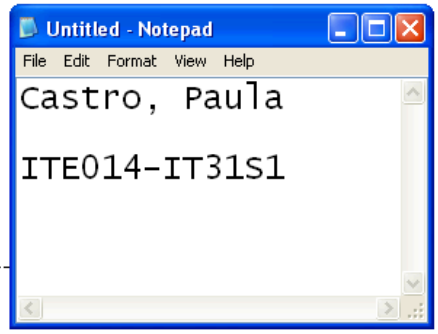
```
SQL> SELECT employee_id, last_name
  2  FROM employees;

EMPLOYEE_ID LAST_NAME
----------- -------------------------
        100 King
        101 Kochhar
        102 De Haan
        103 Hunold
        104 Ernst
        107 Lorentz
        124 Mourgos
        141 Rajs
        142 Davies
        143 Matos
        144 Vargas

EMPLOYEE_ID LAST_NAME
----------- -------------------------
        149 Zlotkey
        174 Abel
        176 Taylor
        178 Grant
        200 Whalen
        201 Hartstein
        202 Fay
        205 Higgins
        206 Gietz

20 rows selected.

SQL>
```



NOTE: The SQL commands must be readable as well as the result of your SQL statements.

Instructions:

The HR department wants you to create SQL statements to insert, update, and delete employee data. As a prototype, you use the MY_EMPLOYEE table, before giving the statements to the HR department. Insert data into the MY_EMPLOYEE table

Execute:

```
CREATE TABLE my_employee
  (id  NUMBER(4) CONSTRAINT my_employee_id_nn NOT NULL,
   last_name VARCHAR2(25),
   first_name VARCHAR2(25),
   userid  VARCHAR2(8),
   salary  NUMBER(9,2));
```

Execute: COMMIT;
statement after the Create table command to permanently save the changes made in the database.

QUESTIONS:

1. **Describe the structure of the MY_EMPLOYEE table to identify the column names.**

2. **Create an INSERT statement to add all each row of data to the MY_EMPLOYEE table from the following sample data. Do not list the columns in the INSERT clause. 5 pts**

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

3. **Confirm your addition to the table.**

4. **Update and delete data in the MY_EMPLOYEE table. Change the last name of employee 3 to Drexler.**
5. **Change the salary to $1,000 for all employees with a salary less than $900.**

6. **Verify your changes to the table.**

7. **Delete Betty Dancs from the MY_EMPLOYEE table.**

ANSWERS:

1.

```
CREATE TABLE my_employee
(id NUMBER(4) CONSTRAINT my_employee_id_nn NOT NULL,
last_name VARCHAR2(25),
first_name VARCHAR2(25),
userid VARCHAR2(8),
salary NUMBER(9,2));
```

SQL Worksheet

```
1  CREATE TABLE my_employee
2      (id NUMBER(4) CONSTRAINT my_employee_id_nn NOT NULL,
3      last_name VARCHAR2(25),
4      first_name VARCHAR2(25),
5      userid VARCHAR2(8),
6      salary NUMBER(9,2));
```

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DESCRIBE my_employee

SQL Worksheet

```
1  DESCRIBE my_employee
```

TABLE MY_EMPLOYEE

Column	Null?	Type
ID	NOT NULL	NUMBER(4,0)
LAST_NAME	-	VARCHAR2(25)
FIRST_NAME	-	VARCHAR2(25)
USERID	-	VARCHAR2(8)
SALARY	-	NUMBER(9,2)

Download CSV

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2.

```
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);

INSERT INTO my_employee (id, last_name, first_name, userid, salary)
VALUES (3, 'Biri', 'Ben', 'bbiri', 1100);

INSERT INTO my_employee (id, last_name, first_name, userid, salary)
VALUES (4, 'Newman', 'Chad', 'cnewman', 750);

INSERT INTO my_employee (id, last_name, first_name, userid, salary)
VALUES (5, 'Ropeburn', 'Audrey', 'aropebur', 1550);
```

SQL Worksheet

```
1  INSERT INTO my_employee (id, last_name, first_name, userid, salary)
2  VALUES (1, 'Patel', 'Ralph', 'rpatel', 895);
3
4  INSERT INTO my_employee (id, last_name, first_name, userid, salary)
5  VALUES (2, 'Dancs', 'Betty', 'bdancs', 860);
6
7  INSERT INTO my_employee (id, last_name, first_name, userid, salary)
8  VALUES (3, 'Biri', 'Ben', 'bbiri', 1100);
9
10 INSERT INTO my_employee (id, last_name, first_name, userid, salary)
11 VALUES (4, 'Newman', 'Chad', 'cnewman', 750);
12
```

```
1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.
```

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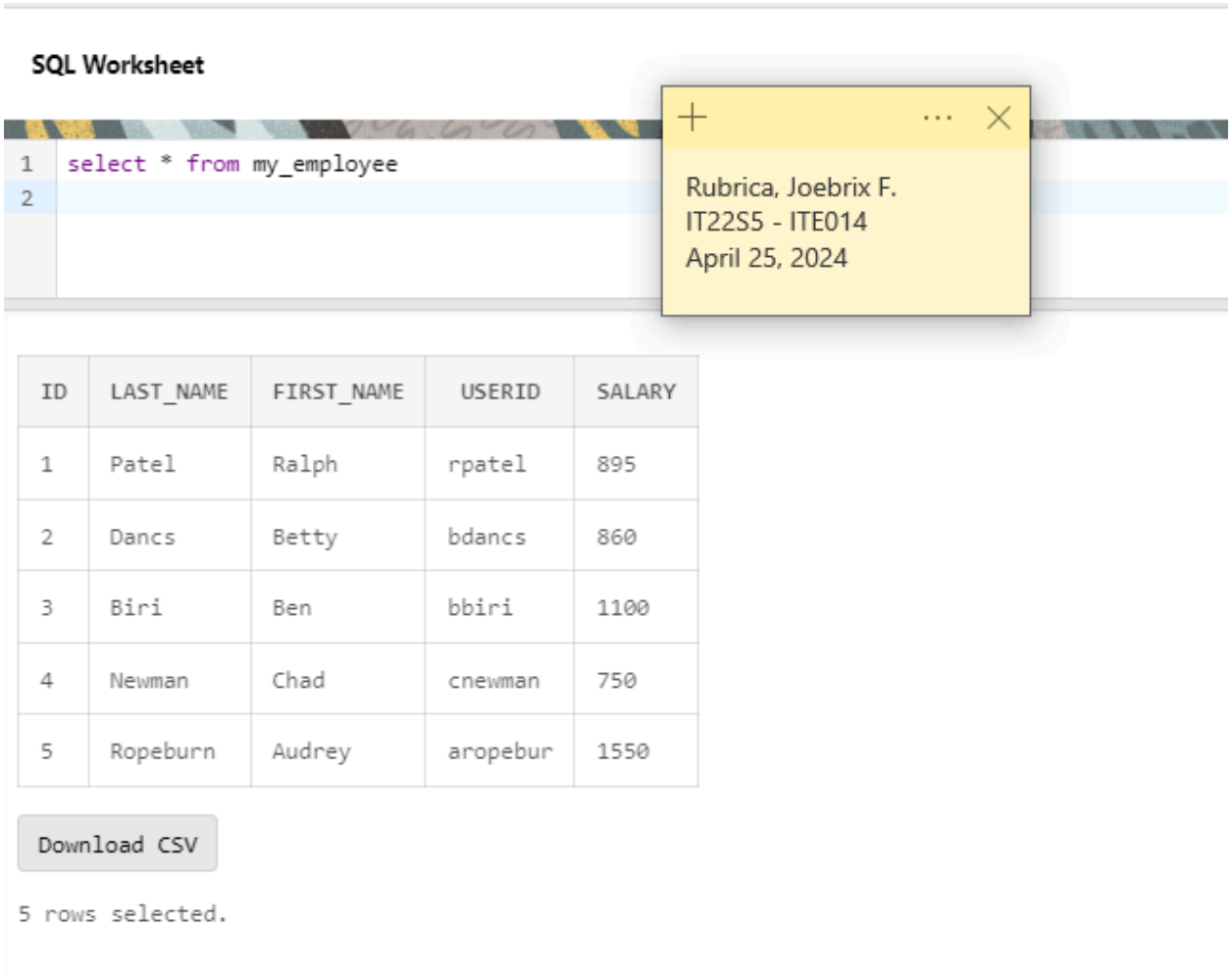
3.
SELECT * FROM my_employee



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

Download CSV

5 rows selected.

4.
UPDATE my_employee
SET last_name = 'Drexler'
WHERE id = 3;

SQL Worksheet

```
1  UPDATE my_employee
2  SET last_name = 'Drexler'
3  WHERE id = 3;
```

```
1 row(s) updated.
```

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Live SQL

SQL Worksheet

```
1  select * from my_employee
2
```

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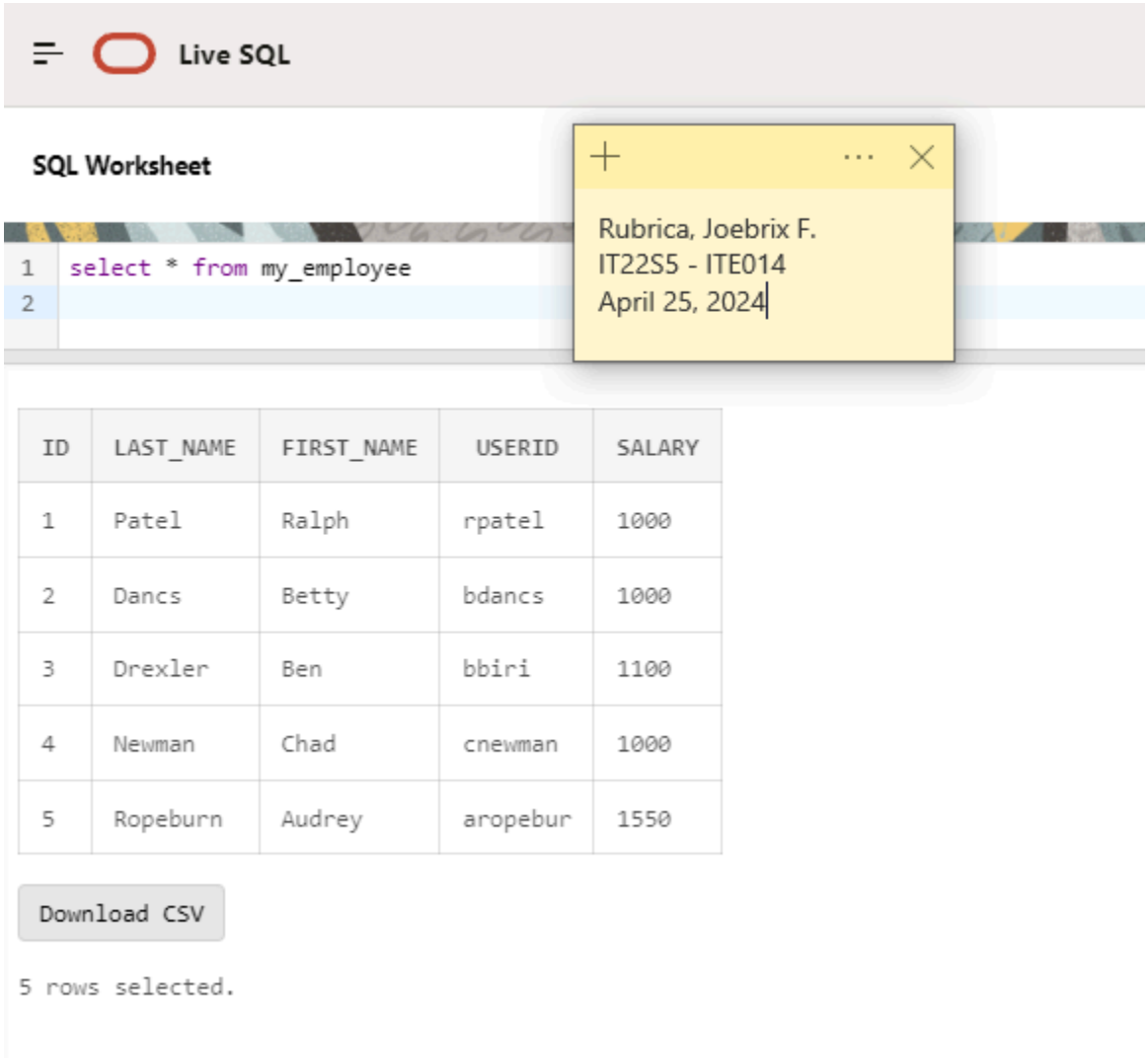
ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
2	Dancs	Betty	bdancs	860
3	Drexler	Ben	bbiri	1100
4	Newman	Chad	cnewman	750
5	Ropeburn	Audrey	aropebur	1550

Download CSV

5 rows selected.

5.

```
UPDATE my_employee
SET salary = 1000
WHERE salary < 900;
```

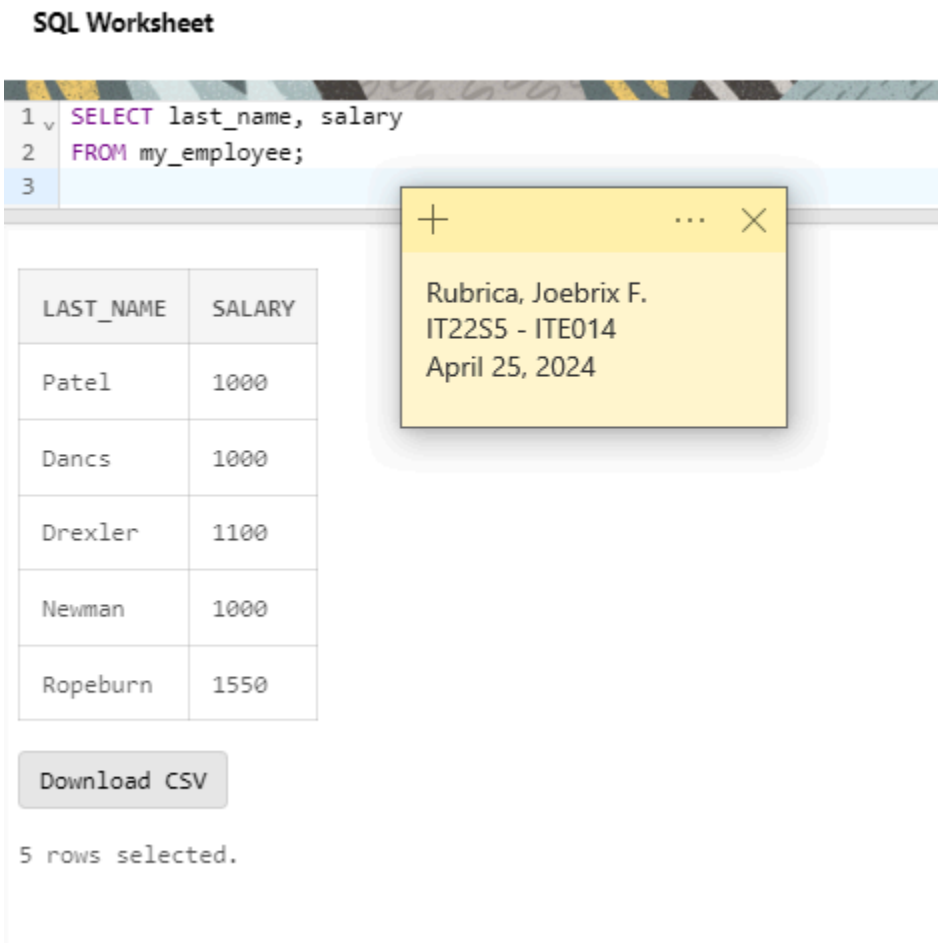


ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	1000
2	Dancs	Betty	bdancs	1000
3	Drexler	Ben	bbiri	1100
4	Newman	Chad	cnewman	1000
5	Ropeburn	Audrey	aropebur	1550

Download CSV

5 rows selected.

6.
SELECT last_name, salary
FROM my_employee;



7.
DELETE FROM my_employee
WHERE last_name = 'Dancs';

SQL Worksheet

```
1  DELETE FROM my_employee
2  WHERE last_name = 'Dancs';
3
```

```
1 row(s) deleted.
```

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```
1  select * from my_employee
2
3
```

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	1000
3	Drexler	Ben	bbiri	1100
4	Newman	Chad	cnewman	1000
5	Ropeburn	Audrey	aropebur	1550

Download CSV

```
4 rows selected.
```

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Honor Pledge:
"I affirm that I have not given or received any unauthorized help on this assignment, and that this work is my own.