


CS23332 DATABASE MANAGEMENT SYSTEMS LAB

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EX 1 CREATION OF BASE TABLE AND DML OPERATION

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 VARCHAR2(25),  
  First_name VARCHAR2(25),  
  Userid VARCHAR2(25),  
  Salary NUMBER(9,2)  
);
```

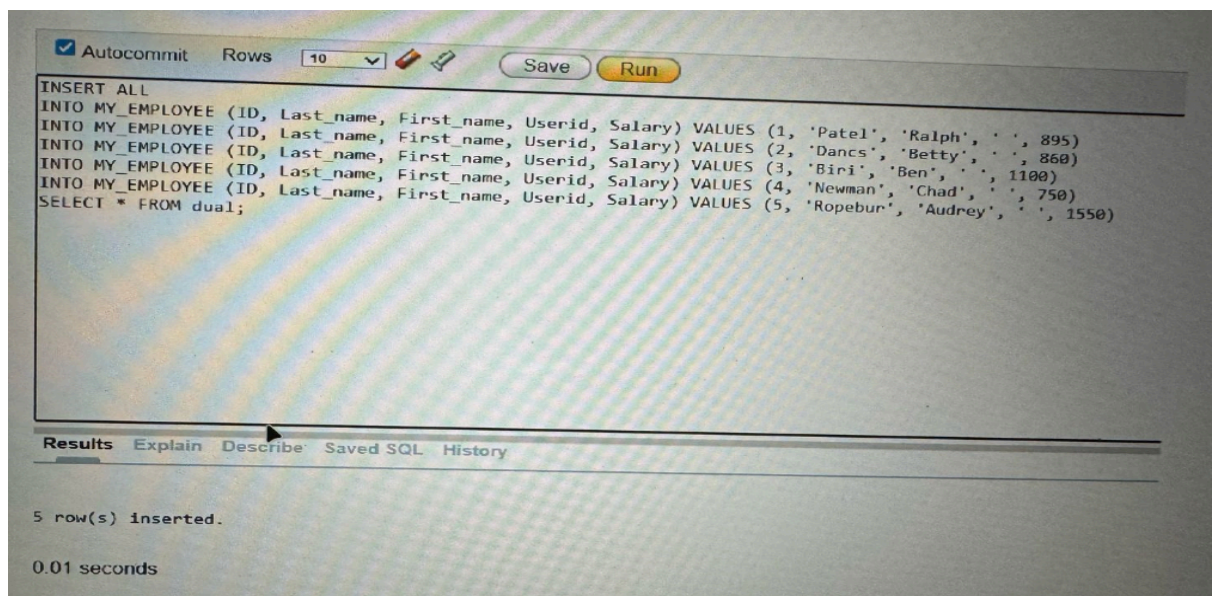
[Results](#) [Explain](#) [Describe](#) [Save SQL](#)

Table created.

0.01 seconds

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



The screenshot shows a SQL IDE interface. At the top, there is a toolbar with a checked 'Autocommit' checkbox, a 'Rows' dropdown set to '10', and 'Save' and 'Run' buttons. Below the toolbar, the SQL script is displayed in a text area:

```
INSERT ALL
INTO MY_EMPLOYEE (ID, Last_name, First_name, Userid, Salary) VALUES (1, 'Patel', 'Ralph', ' ', 895)
INTO MY_EMPLOYEE (ID, Last_name, First_name, Userid, Salary) VALUES (2, 'Dancs', 'Betty', ' ', 860)
INTO MY_EMPLOYEE (ID, Last_name, First_name, Userid, Salary) VALUES (3, 'Biri', 'Ben', ' ', 1100)
INTO MY_EMPLOYEE (ID, Last_name, First_name, Userid, Salary) VALUES (4, 'Newman', 'Chad', ' ', 750)
INTO MY_EMPLOYEE (ID, Last_name, First_name, Userid, Salary) VALUES (5, 'Ropebur', 'Audrey', ' ', 1550)
SELECT * FROM dual;
```

Below the script area, there is a tabbed interface with 'Results' selected. The results pane shows the output of the SQL execution:

```
5 row(s) inserted.

0.01 seconds
```

3. Display the table with values.

```
FROM MY_EMPLOYEE;
```

[Explain](#) [Describe](#) [Saved SQL](#) [History](#)

T_NAME	FIRST_NAME	USERID	SALARY
R	Ralph	RPatel	895
cs	Betty	BDancs	860
	Ben	BBiri	1100
man	Chad	CNewman	750
ebur	Audrey	ARopebur	1550

Completed in 0.00 seconds

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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.

```
UPDATE MY_EMPLOYEE  
SET Userid = SUBSTR(First_name, 1, 1) || SUBSTR(Last_name, 1, 7);
```

Results Explain Describe Saved SQL History

5 row(s) updated.

0.00 seconds

5. Delete Betty dancs from MY_EMPLOYEE table.

```
DELETE FROM MY_EMPLOYEE  
WHERE First_name = 'Betty' AND Last_name = 'Dancs';
```

Results	Explain	Describe	Saved SQL	History
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1 row(s) deleted.

0.01 seconds

6. Empty the fourth row of the emp table.

```
UPDATE MY_EMPLOYEE SET Last_name = NULL, First_name = NULL, Userid = NULL,  
Salary = NULL WHERE ID = 4;
```

Results	Explain	Describe	Saved SQL	History
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1 row(s) updated.

0.00 seconds

