

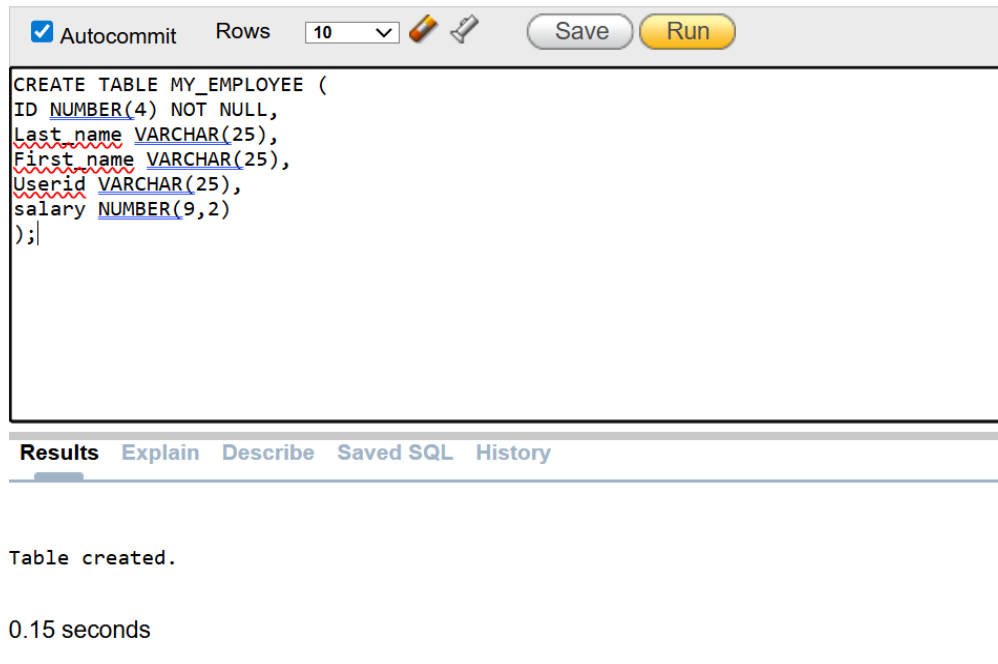
EXERCISE-2

MANIPULATING DATA

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MANIPULATING DATA

1. Create MY_EMPLOYEE table with the following structure

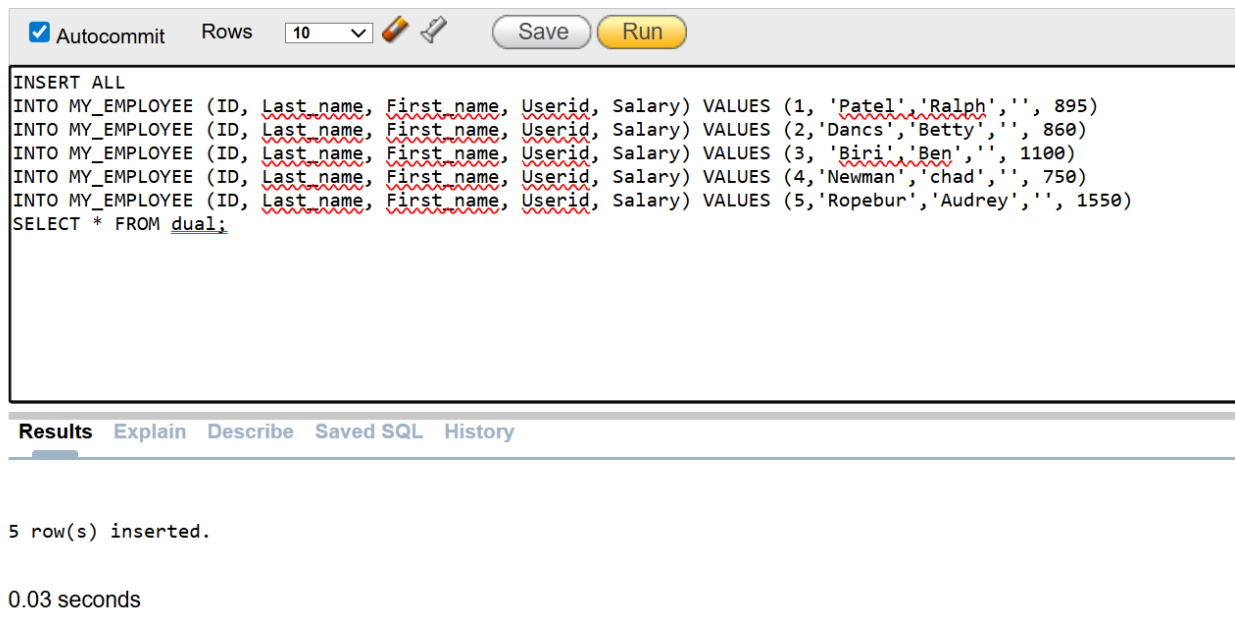


The screenshot shows a SQL IDE interface. At the top, there is a toolbar with a checked 'Autocommit' checkbox, a 'Rows' dropdown set to '10', and 'Save' and 'Run' buttons. Below the toolbar, the SQL editor contains the following code:

```
CREATE TABLE MY_EMPLOYEE (  
  ID NUMBER(4) NOT NULL,  
  Last_name VARCHAR(25),  
  First_name VARCHAR(25),  
  Userid VARCHAR(25),  
  salary NUMBER(9,2)  
);
```

Below the editor, there is a tabbed interface with 'Results' selected. The results pane displays the message 'Table created.' and the execution time '0.15 seconds'.

2. Add the first and second rows data to MY_EMPLOYEE table from the following sample





The screenshot shows the same SQL IDE interface. The SQL editor contains the following code:

```
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 editor, the 'Results' tab shows the message '5 row(s) inserted.' and the execution time '0.03 seconds'.

3. Display the table with values.

☒ Autocommit Rows 10   Save Run



SELECT * FROM MY_EMPLOYEE;

Results Explain Describe Saved SQL History

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	-	895
2	Dancs	Betty	-	860
3	Biri	Ben	-	1100
4	Newman	chad	-	750
5	Ropebur	Audrey	-	1550

5 rows returned in 0.03 seconds [Download](#)

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.



☒ Autocommit Rows 10   Save Run

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

☒ Autocommit
 Rows


Save Run



```
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 0.00 seconds [Download](#)



5. Delete Betty dancs from MY_EMPLOYEE table

☒ Autocommit
 Rows


Save Run

```
DELETE FROM MY_EMPLOYEE
WHERE First name = 'Betty' AND Last name = 'Dancs';
```

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

1 row(s) deleted.

☒ Autocommit
 Rows


Save Run



```
SELECT * FROM MY_EMPLOYEE;
```

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

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	RPatel	895
3	Biri	Ben	BBiri	1100
4	Newman	chad	cNewman	750
5	Ropebur	Audrey	ARopebur	1550

4 rows returned in 0.01 seconds [Download](#)



6. Empty the fourth row of the emp table.

☒ Autocommit Rows   Save Run

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

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

1 row(s) updated.

☒ Autocommit Rows   Save Run



SELECT * FROM MY_EMPLOYEE;

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

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	RPatel	895
3	Biri	Ben	BBiri	1100
4	-	-	-	-
5	Ropebur	Audrey	ARopebur	1550

4 rows returned in 0.00 seconds [Download](#)

7. Make the data additions permanent.



☐ Autocommit Rows   Save Run

COMMIT;

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

Statement processed.



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

☒ Autocommit Rows  

UPDATE MY_EMPLOYEE SET Last_name = 'Drexler' WHERE ID = 3;

Results Explain Describe Saved SQL History

1 row(s) updated.

☒ Autocommit Rows  



SELECT * FROM MY_EMPLOYEE;

Results Explain Describe Saved SQL History

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	RPatel	895
3	Drexler	Ben	BBiri	1100
4	-	-	-	-
5	Ropebur	Audrey	ARopebur	1550

4 rows returned in 0.00 seconds [Download](#)



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

☒ Autocommit Rows  

UPDATE MY_EMPLOYEE SET Salary = 1000 WHERE Salary < 900;

Results Explain Describe Saved SQL History

1 row(s) updated.

☒ Autocommit Rows  

SELECT * FROM MY_EMPLOYEE;

Results Explain Describe Saved SQL History

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	RPatel	1000
3	Drexler	Ben	BBiri	1100
4	-	-	-	-
5	Ropebur	Audrey	ARopebur	1550

4 rows returned in 0.01 seconds [Download](#)