

Exercise 1:

## Creation of Base table and DML Operations

AIM:

To perform the sql query on Create, Insert, Delete, Update, Alter and Truncate.

1. Create MY\_EMPLOYEE table

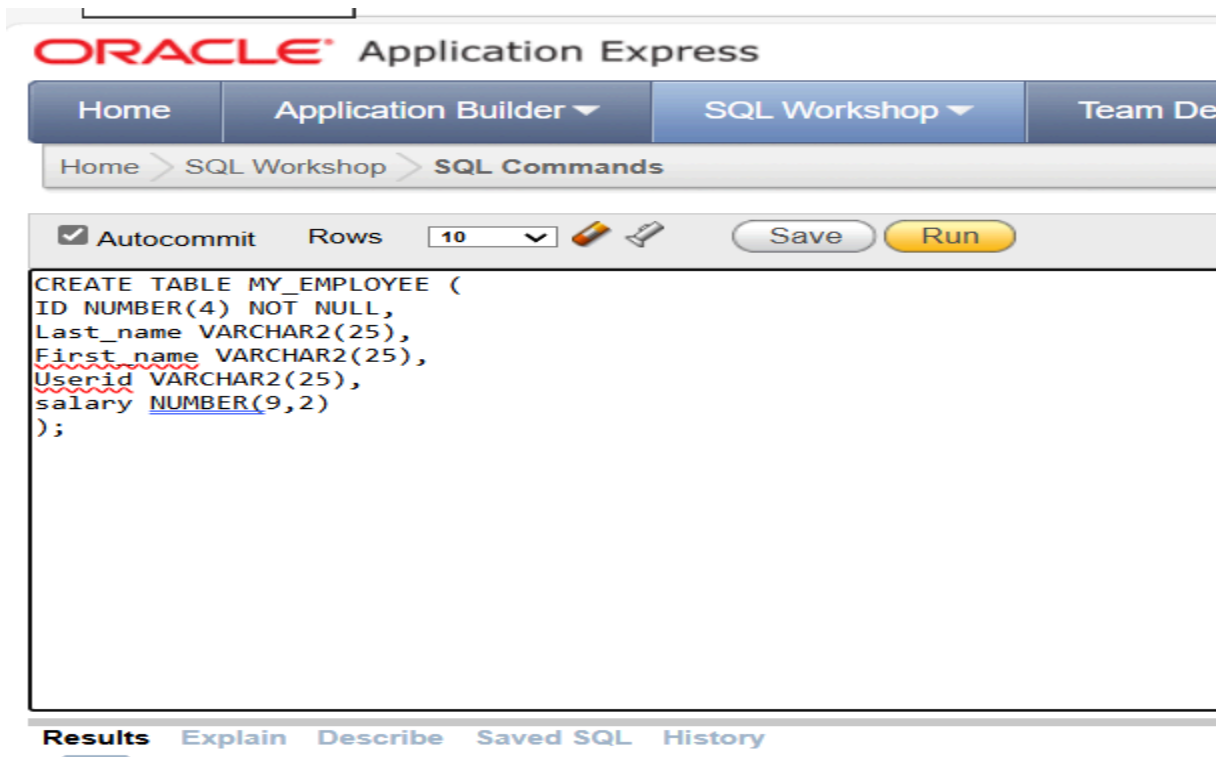


Table created.

0.19 seconds

2. Add the first and second rows data to MY\_EMPLOYEE table from the following sample data.

The screenshot shows the Oracle Application Express interface. The top navigation bar includes 'Home', 'Application Builder', 'SQL Workshop', 'Team Development', and 'Administration'. The breadcrumb trail is 'Home > SQL Workshop > SQL Commands'. Below the navigation bar, there is a toolbar with 'Autocommit' checked, 'Rows' set to 10, and 'Save' and 'Run' buttons. The main text area contains the following SQL command:

```
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 command window, the 'Results' tab is selected, showing the output: '5 row(s) inserted.' and '0.00 seconds'.

3. Display the table with values.

**ORACLE** Application Express

Home Application Builder ▼ SQL Workshop

Home > SQL Workshop > **SQL Commands**

☒ Autocommit Rows 10   Save 

```
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 0.00 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.

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Home Application Builder SQL Workshop Te

Home > SQL Workshop > SQL Commands

☒ 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.



0.01 seconds

5. Delete Betty dancs from MY \_EMPLOYEE table.

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Home > SQL Workshop > SQL Commands

☒ Autocommit Rows 10   Save Run

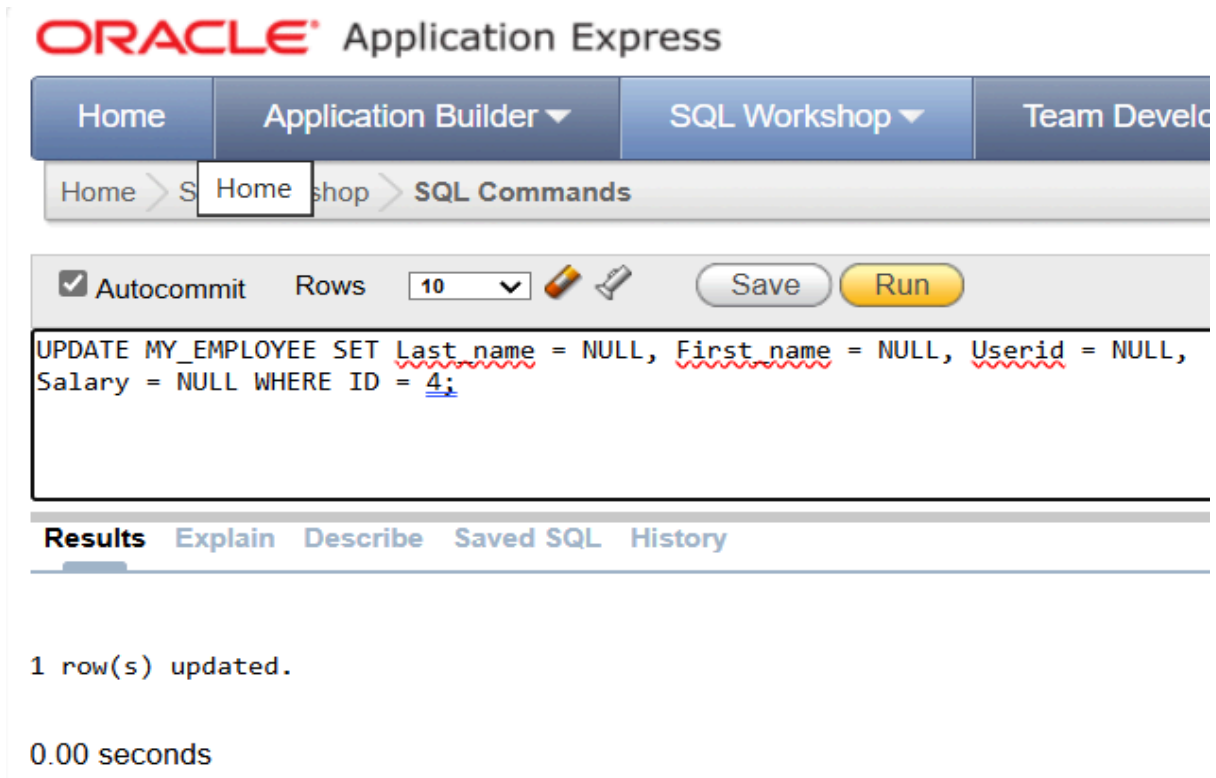
```
DELETE FROM MY_EMPLOYEE
WHERE First_name = 'Betty' AND Last_name = 'Dancs';
```

Results Explain Describe Saved SQL History

1 row(s) deleted.

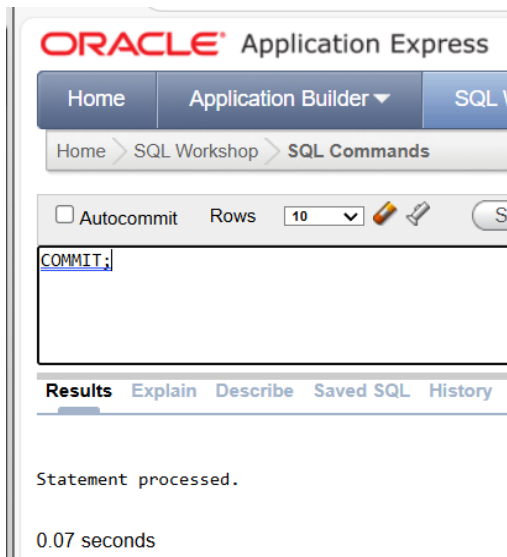
0.00 seconds

6. Empty the fourth row of the emp table.



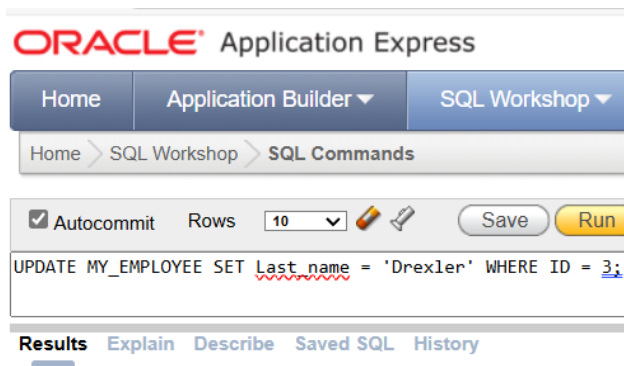
The screenshot shows the Oracle Application Express interface. The top navigation bar includes 'Home', 'Application Builder', 'SQL Workshop', and 'Team Development'. The breadcrumb trail is 'Home > SQL Workshop > SQL Commands'. The 'Autocommit' checkbox is checked, and the 'Rows' limit is set to 10. The SQL command entered is: `UPDATE MY_EMPLOYEE SET Last_name = NULL, First_name = NULL, Userid = NULL, Salary = NULL WHERE ID = 4;`. The 'Run' button is highlighted. Below the command, the 'Results' tab is selected, showing the message '1 row(s) updated.' and a execution time of '0.00 seconds'.

7. Make the data additions permanent.



The screenshot shows the Oracle Application Express interface. The top navigation bar includes 'Home', 'Application Builder', and 'SQL Workshop'. The breadcrumb trail is 'Home > SQL Workshop > SQL Commands'. The 'Autocommit' checkbox is unchecked, and the 'Rows' limit is set to 10. The SQL command entered is: `COMMIT;`. The 'Run' button is highlighted. Below the command, the 'Results' tab is selected, showing the message 'Statement processed.' and a execution time of '0.07 seconds'.

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



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Home > SQL Workshop > SQL Commands

☒ Autocommit Rows 10 Save Run

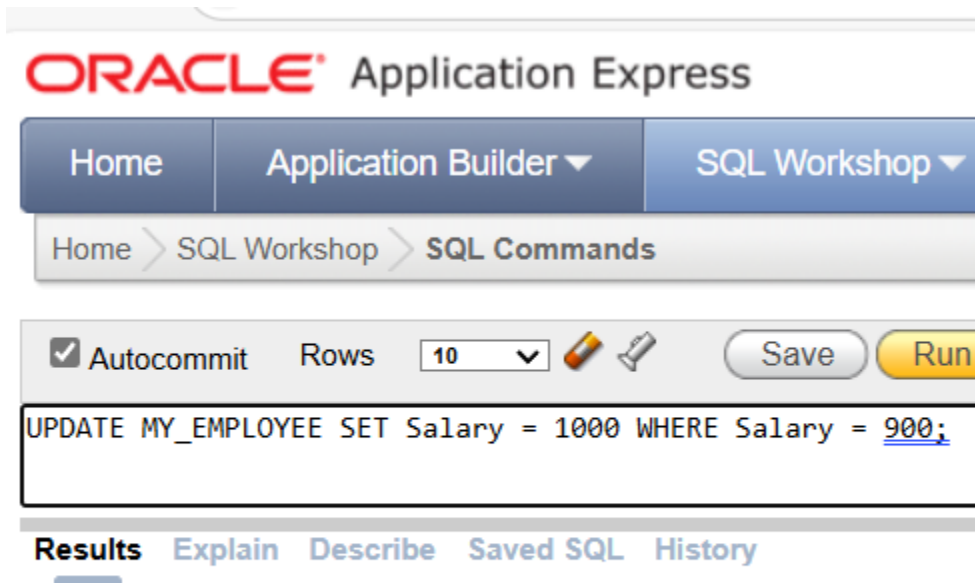
UPDATE MY\_EMPLOYEE SET Last\_name = 'Drexler' WHERE ID = 3;

Results Explain Describe Saved SQL History

1 row(s) updated.

0.00 seconds

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



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Home > SQL Workshop > SQL Commands

☒ Autocommit Rows 10 Save Run

UPDATE MY\_EMPLOYEE SET Salary = 1000 WHERE Salary = 900;

Results Explain Describe Saved SQL History

1 row(s) updated.

10. Add a column named DOB to the table

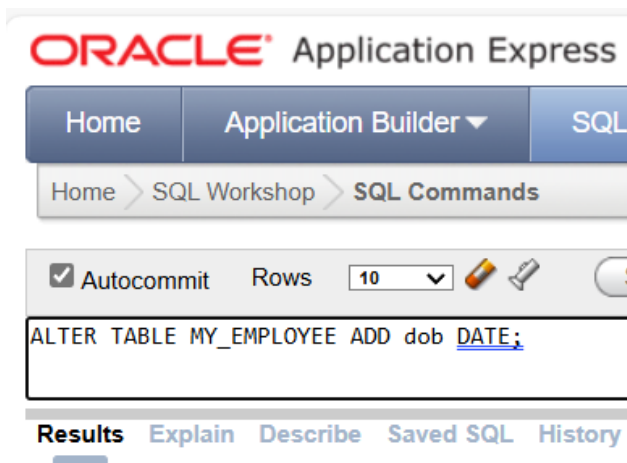
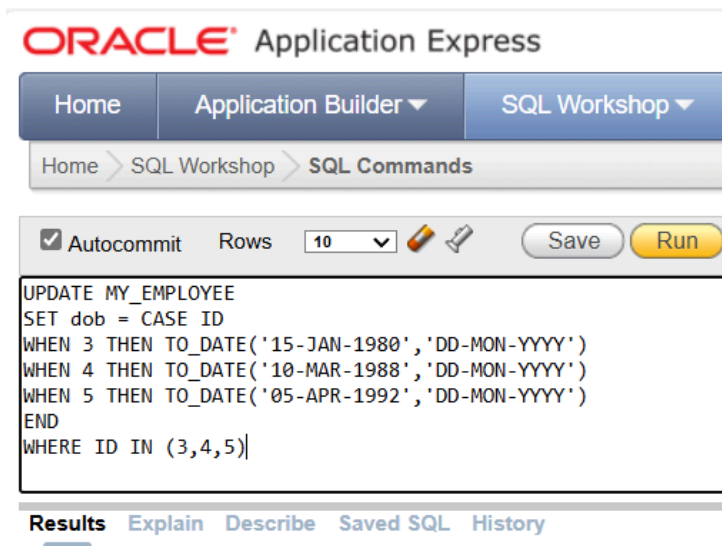


Table altered.

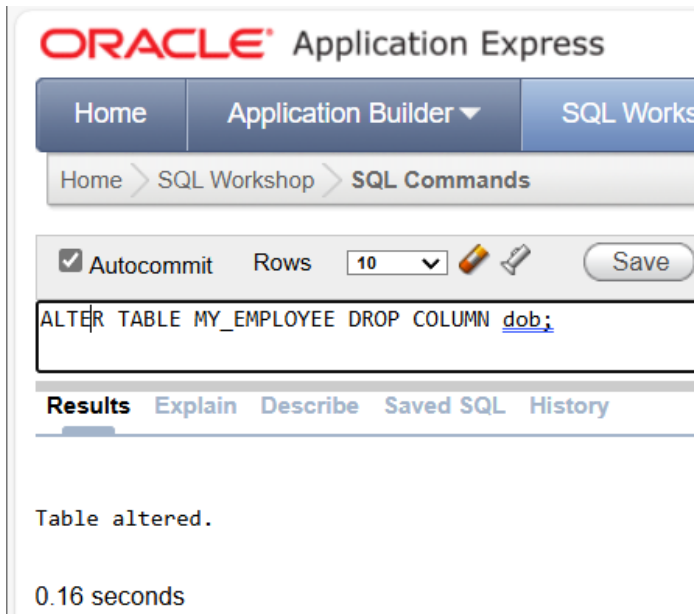
10. Insert date to dob column



3 row(s) updated.

0.00 seconds

11.drop a column dob from table



The screenshot shows the Oracle Application Express interface. The top navigation bar includes 'Home', 'Application Builder', and 'SQL Workshop'. The breadcrumb trail is 'Home > SQL Workshop > SQL Commands'. Below the navigation, there is a toolbar with 'Autocommit' checked, 'Rows' set to 10, and a 'Save' button. The SQL command entered in the text area is 'ALTER TABLE MY\_EMPLOYEE DROP COLUMN dob;'. Below the command, the 'Results' tab is selected, displaying the message 'Table altered.' and the execution time '0.16 seconds'.

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Home Application Builder SQL Workshop

Home > SQL Workshop > SQL Commands

☒ Autocommit Rows 10 Save

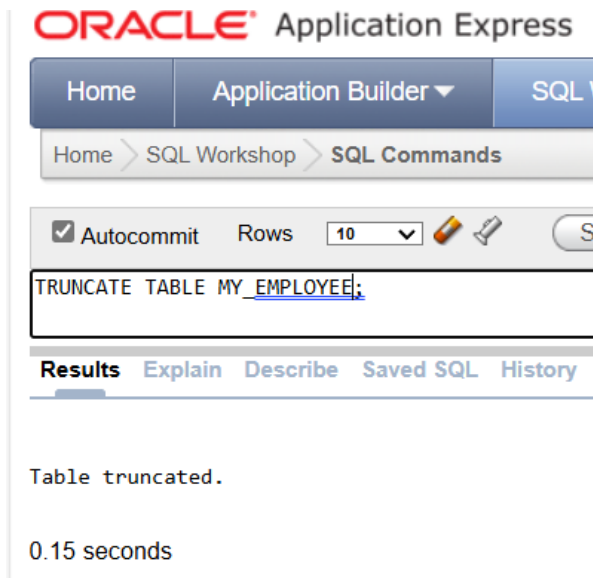
ALTER TABLE MY\_EMPLOYEE DROP COLUMN dob;

Results Explain Describe Saved SQL History

Table altered.

0.16 seconds

12.Clear all records of table using Truncate



The screenshot shows the Oracle Application Express interface. The top navigation bar includes 'Home', 'Application Builder', and 'SQL Workshop'. The breadcrumb trail is 'Home > SQL Workshop > SQL Commands'. Below the navigation, there is a toolbar with 'Autocommit' checked, 'Rows' set to 10, and a 'Save' button. The SQL command entered in the text area is 'TRUNCATE TABLE MY\_EMPLOYEE;'. Below the command, the 'Results' tab is selected, displaying the message 'Table truncated.' and the execution time '0.15 seconds'.

ORACLE® Application Express

Home Application Builder SQL Workshop

Home > SQL Workshop > SQL Commands

☒ Autocommit Rows 10 Save

TRUNCATE TABLE MY\_EMPLOYEE;

Results Explain Describe Saved SQL History

Table truncated.

0.15 seconds

RESULT: SQL queries for DDL and DML operations performed successfully.