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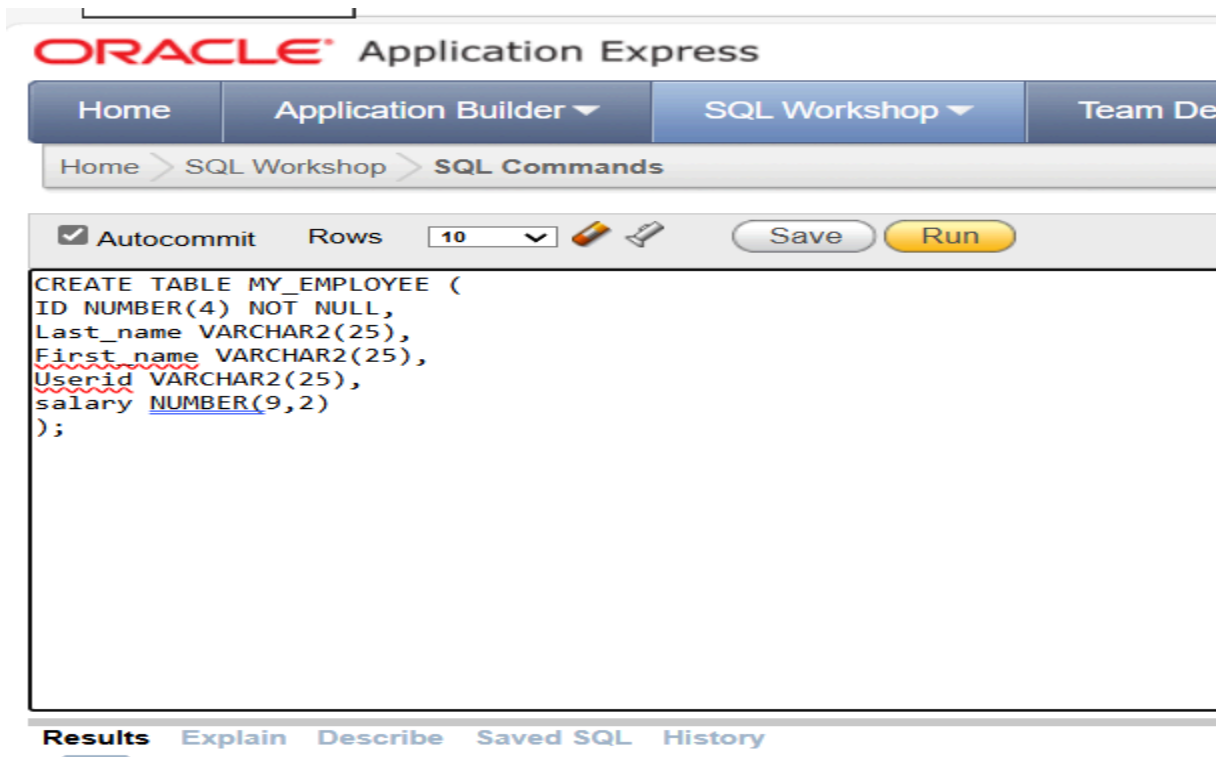
2. Add the first and second rows data to MY_EMPLOYEE table from the following sample data.

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☑ Autocommit   Rows   [10 ▼]   ✎ ✐   (Save) (Run)

```
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;
```

Results Explain Describe Saved SQL History

5 row(s) inserted.

0.00 seconds

3. Display the table with values.

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```
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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```
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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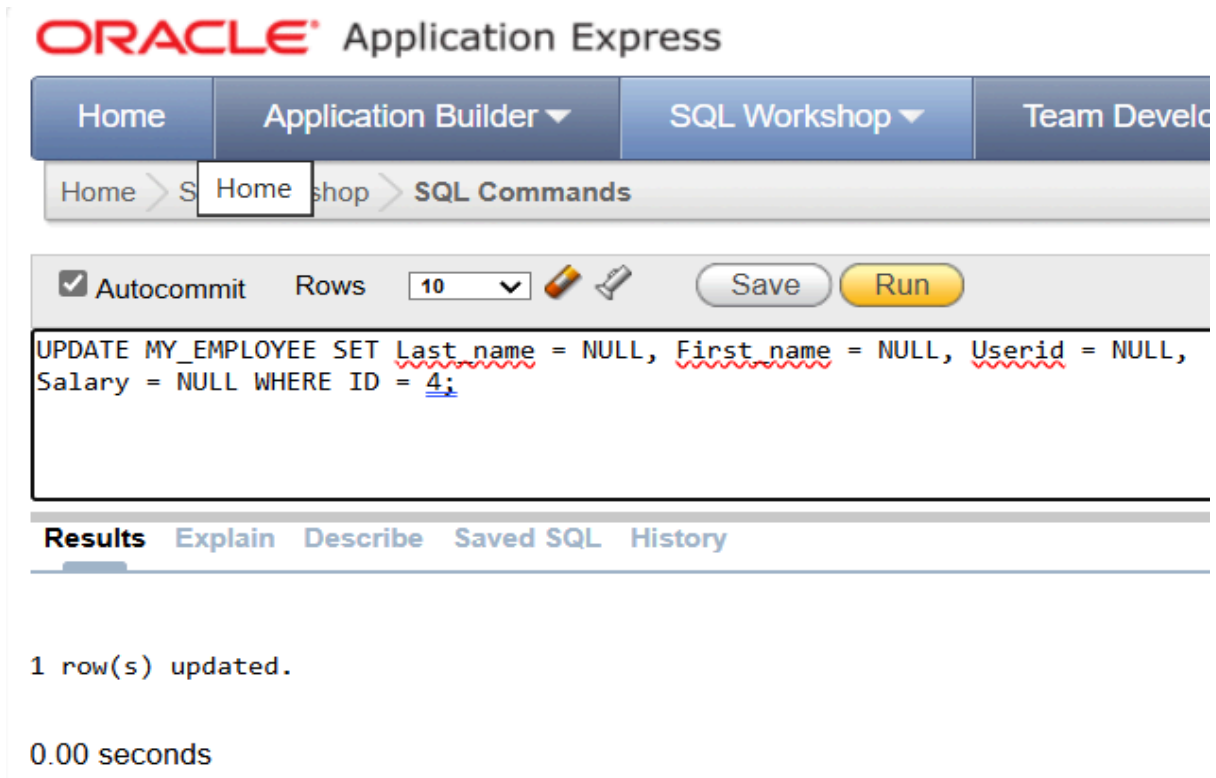☑ Autocommit   Rows   [10 ▼] 🧽 ✎   (Save) (Run)

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

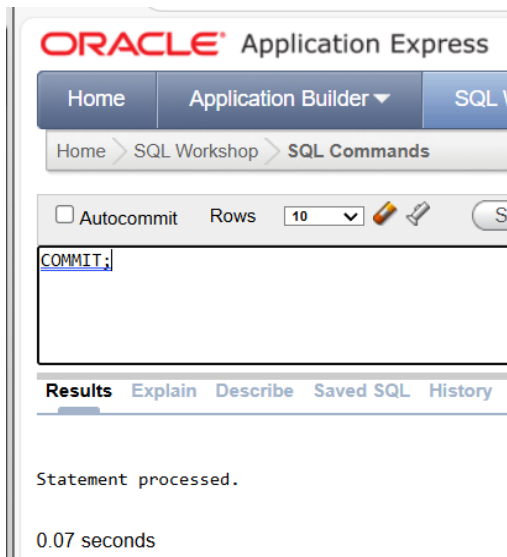**Results** Explain Describe Saved SQL History

1 row(s) deleted.

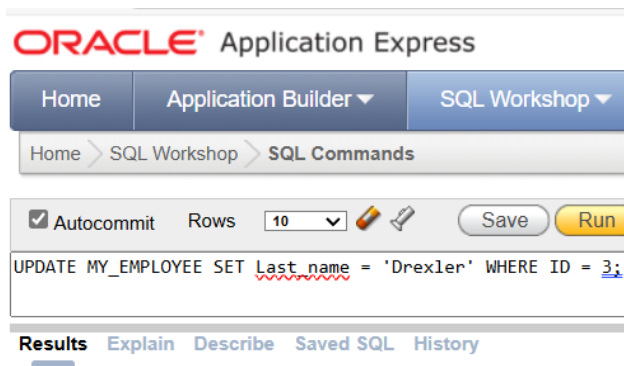0.00 seconds

6. Empty the fourth row of the emp table.

7. Make the data additions permanent.

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


```
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☑ Autocommit   Rows   10  ✔         Save    Run

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

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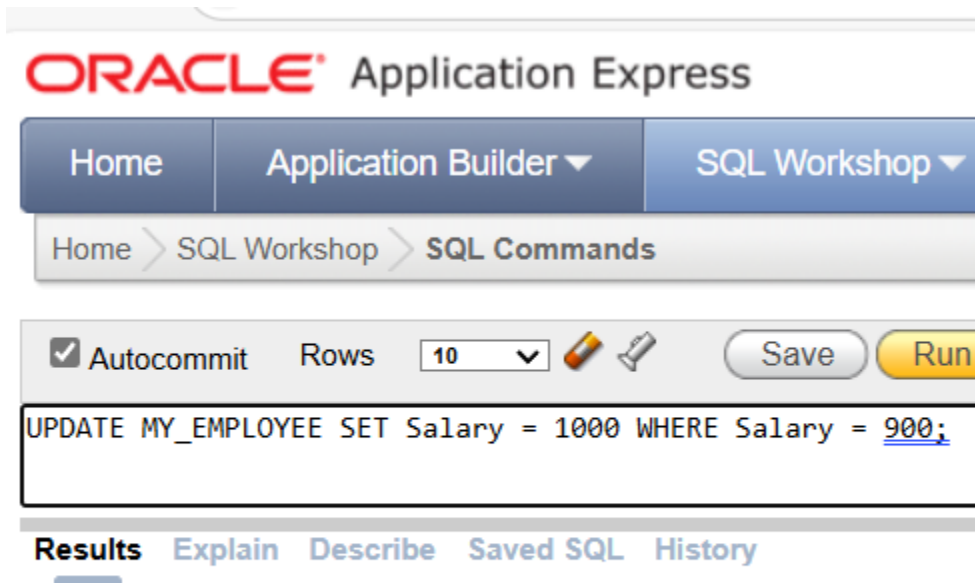
1 row(s) updated.

0.00 seconds

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


```
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☑ Autocommit   Rows   10  ✔         Save    Run

UPDATE MY_EMPLOYEE SET Salary = 1000 WHERE Salary = 900;

Results  Explain  Describe  Saved SQL  History
```

1 row(s) updated.

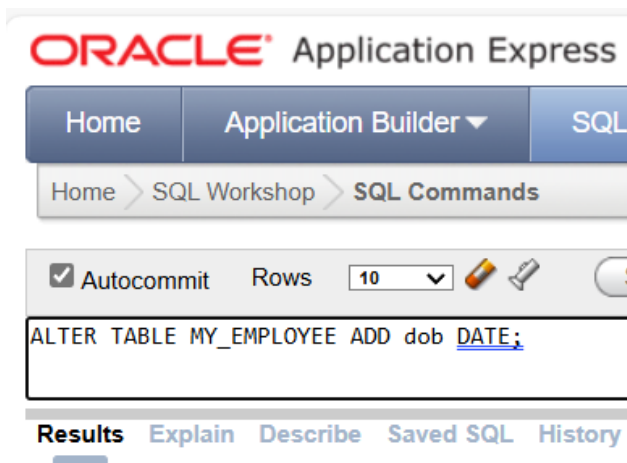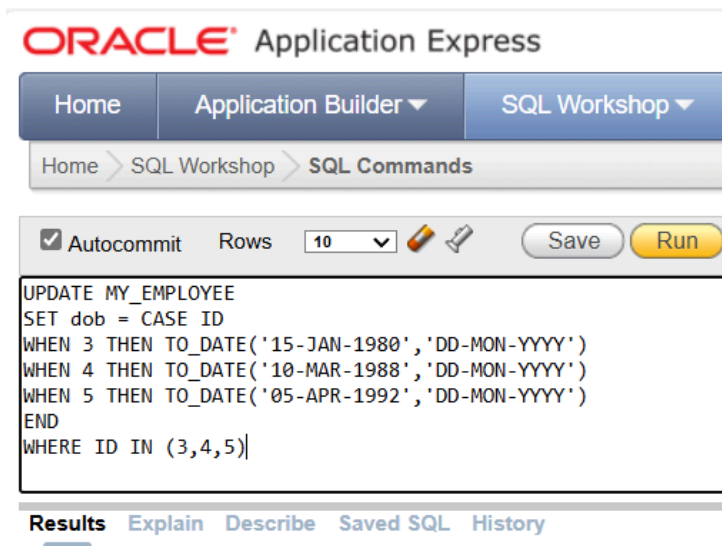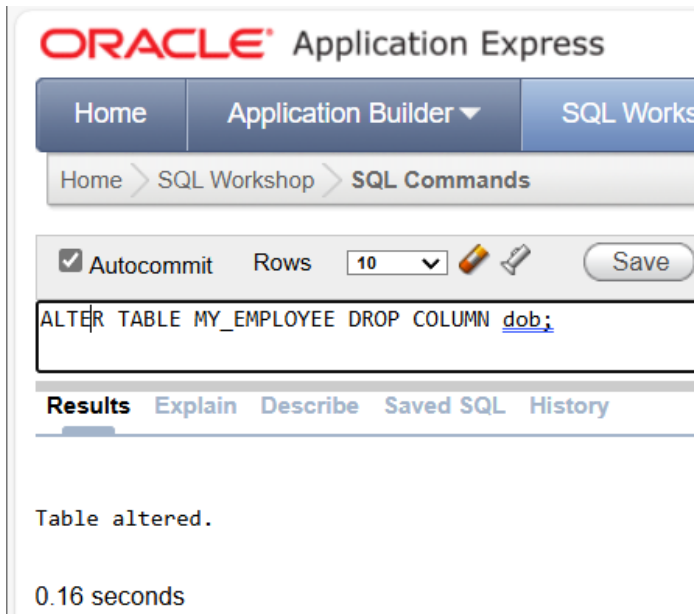10.Add a column named DOB to the table

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☑ Autocommit   Rows   10 ▼

ALTER TABLE MY_EMPLOYEE ADD dob DATE;

Results   Explain   Describe   Saved SQL   History

Table altered.

10. Insert date to dob column

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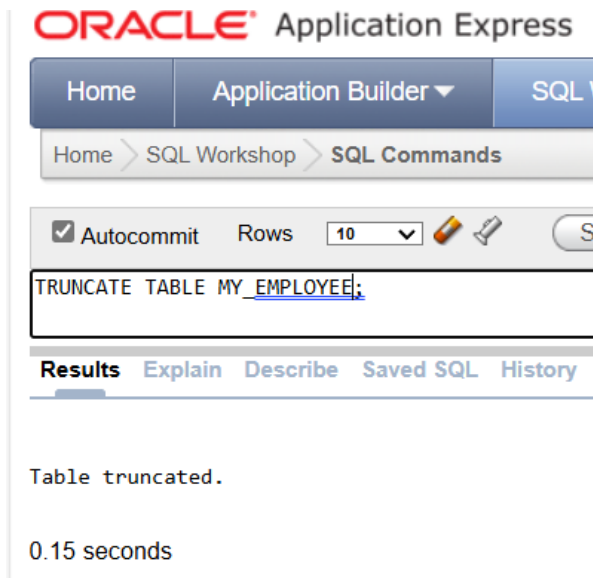
☑ Autocommit   Rows   10 ▼   Save   Run

```
UPDATE MY_EMPLOYEE
SET dob = CASE ID
WHEN 3 THEN TO_DATE('15-JAN-1980','DD-MON-YYYY')
WHEN 4 THEN TO_DATE('10-MAR-1988','DD-MON-YYYY')
WHEN 5 THEN TO_DATE('05-APR-1992','DD-MON-YYYY')
END
WHERE ID IN (3,4,5)
```

Results   Explain   Describe   Saved SQL   History

3 row(s) updated.

0.00 seconds

11.drop a column dob from table

12.Clear all records of table using Truncate

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