

DBMS LAB RECORD

EXERCISE 2

1. Create MY_EMPLOYEE table with the following structure
2. Add the first and second rows

The screenshot shows the APEX SQL Workshop interface. The SQL Commands pane contains the following SQL statement:

```
1 CREATE TABLE MY_EMPLOYEE(  
2   ID NUMBER(4),  
3   LAST_NAME VARCHAR(25),  
4   FIRST_NAME VARCHAR(25),  
5   USERID VARCHAR(25),  
6   SALARY NUMBER(9,2)  
7 );
```

The Results pane shows the message: "Table created." and "0.02 seconds".

The screenshot shows the APEX SQL Workshop interface with the SQL command: `DESC MY_EMPLOYEE;`. The Results pane displays the table structure for MY_EMPLOYEE.

Object Type	TABLE	Object	MY_EMPLOYEE						
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MY_EMPLOYEE	ID	NUMBER	-	4	0	-		-	-
	LAST_NAME	VARCHAR2	25	-	-	-		-	-
	FIRST_NAME	VARCHAR2	25	-	-	-		-	-
	USERID	VARCHAR2	25	-	-	-		-	-
	SALARY	NUMBER	-	9	2	-		-	-

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

The screenshot shows the APEX SQL Workshop interface with the SQL command: `INSERT INTO MY_EMPLOYEE VALUES('2','Dancs','Betty','bdancs','866');`. The Results pane shows the message: "1 row(s) inserted." and "0.00 seconds".

The screenshot shows the APEX SQL Workshop interface with the SQL command: `INSERT INTO MY_EMPLOYEE VALUES('1','Patel','Ralph','rpatel','895');`. The Results pane shows the message: "1 row(s) inserted." and "0.03 seconds".

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3. Display the table with values.

```
1 SELECT * FROM MY_EMPLOYEE;
```

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	rpatel	895
2	Dancs	Betty	bdancs	860

2 rows returned in 0.01 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.

```
1 INSERT INTO MY_EMPLOYEE VALUES('3','Biri','Ben','bbiri','1100');
```

Results	Explain	Describe	Saved SQL	History
1 row(s) inserted.				
0.00 seconds				

```
1 INSERT INTO MY_EMPLOYEE VALUES('4','Newman','Chad','Cnewman','750');
```

Results	Explain	Describe	Saved SQL	History
1 row(s) inserted.				
0.00 seconds				

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5. Make the data additions permanent.

```
1 COMMIT;
```

Results

Explain

Describe

Saved SQL

History

Commit statement not applicable. All statements are automatically committed.

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

```
1 UPDATE MY_EMPLOYEE  
2 SET LAST_NAME = 'Drexler'  
3 WHERE ID = '3';
```

Results

Explain

Describe

Saved SQL

History

1 row(s) updated.

0.00 seconds

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

```
1  UPDATE MY_EMPLOYEE
2  SET SALARY = '1000'
3  WHERE SALARY <= '900';
```

Results

Explain

Describe

Saved SQL

History

4 row(s) updated.

0.01 seconds

8. Delete Betty dancs from MY _EMPLOYEE table.

```
1  DELETE FROM MY_EMPLOYEE
2  WHERE FIRST_NAME = 'Betty' AND LAST_NAME = 'Dancs';
3
```

Results

Explain

Describe

Saved SQL

History

2 row(s) deleted.

0.01 seconds

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9. Empty the fourth row of the emp table.

```
1  UPDATE MY_EMPLOYEE
2  SET LAST_NAME = NULL,
3     FIRST_NAME = NULL,
4     USERID = NULL,
5     ID = NULL
6  WHERE ID = '4';
7
```

Results

Explain

Describe

Saved SQL

History

1 row(s) updated.

0.00 seconds