

Lab Assignment No-06

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Class: TE-Comps B	Batch: B3
Date of Experiment: 21/08/2020	Date of Submission: 24/11/2020
Grade :	

1. Create a My_tab table with the following attributes and define their data types and size as per given data.

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	Rpatel	895
2	Dance	Betty	Bdancs	860
3	Biri	Ben	Bbiri	1100
4	Newman	Chad	Cnewman	750
5	Ropeburn	Audrey	Aropebur	1550

Ans:

```
CREATE TABLE MY_TAB
```

```
(
```

```
    ID      NUMBER      PRIMARY KEY,
```

```
    LAST_NAME  VARCHAR(15),
```

```
    FIRST_NAME  VARCHAR(15),
```

```
    USERID     VARCHAR(15)
```

```
    SALARY     NUMBER
```

```
);
```

```
INSERT INTO MY_TAB VALUES (1, 'Patel', 'Ralph', 'Rpatel', 895);
```

```
INSERT INTO MY_TAB VALUES (2, 'Dance', 'Betty', 'Bdance', 860);
```

```
INSERT INTO MY_TAB VALUES (3, 'Biri', 'Ben', 'Bben', 1100);
```

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

```
INSERT INTO MY_TAB VALUES (5, 'Ropeburn', 'Audery', 'Aropeburn', 1550);
```

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	Rpatel	895
2	Dance	Betty	Bdance	860
3	Biri	Ben	Bben	1100
4	Newman	Chad	Cnewman	750
5	Ropeburn	Audery	Aropeburn	1550

2. Populate the MY_EMPLOYEE table with the second row of sample data from the preceding list. This time, list the column explicitly in the INSERT clause.

Ans:

```
DELETE
FROM
    MY_TAB
WHERE
    ID = 2
```

1 row(s) deleted.

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
1	Patel	Ralph	Rpatel	895
3	Biri	Ben	Bben	1100
4	Newman	Chad	Cnewman	750
5	Ropeburn	Audery	Aropeburn	1550

```
INSERT INTO MY_TAB (ID, LAST_NAME, FIRST_NAME, USERID, SALARY)
VALUES (2, 'Dance', 'Betty', 'Bdance', 860)
```

1 row(s) inserted.

```
SELECT * FROM MY_TAB
```

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
2	Dance	Betty	Bdance	860
1	Patel	Ralph	Rpatel	895
3	Biri	Ben	Bben	1100
4	Newman	Chad	Cnewman	750
5	Ropeburn	Audery	Aropeburn	1550

3. Change the name of employee 3 to Drexler.

Ans:

```
UPDATE MY_TAB  
SET LAST_NAME = 'DREXLER'  
WHERE ID = 3;
```

1 row(s) updated.

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
2	Dance	Betty	Bdance	860
1	Patel	Ralph	Rpatel	895
3	Drexler	Ben	Bben	1100
4	Newman	Chad	Cnewman	750
5	Ropeburn	Audery	Aropeburn	1550

Name changed from Biri to Drexler

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

Ans:

```
UPDATE MY_TAB  
SET SALARY = 1000  
WHERE SALARY < 900
```

3 row(s) updated.

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
2	Dance	Betty	Bdance	1000
1	Patel	Ralph	Rpatel	1000
3	Drexler	Ben	Bben	1100
4	Newman	Chad	Cnewman	1000
5	Ropeburn	Audery	Aropeburn	1550

Updated

5. Confirm your addition to the table.

Ans:

ID	LAST_NAME	FIRST_NAME	USERID	SALARY
2	Dance	Betty	Bdance	1000
1	Patel	Ralph	Rpatel	1000
3	Drexler	Ben	Bben	1100
4	Newman	Chad	Cnewman	1000
5	Ropeburn	Audery	Aropeburn	1550

6. Commit all pending changes. Control data transaction to the MY_tab table.

Ans:

COMMIT;

Statement processed.

SET TRANSACTION READ ONLY;

7. Mark an intermediate point in the processing of the transaction.

Ans:

EXEC SAVEPOINT Q7;

Statement processed.

8. Empty the entire table.

Ans:

DELETE

FROM

MY_TAB

5 row(s) deleted.

9. Confirm that table is empty.

Ans:

SELECT * FROM MY_TAB

no data found.

10.Discard the recent DELETE operation without discarding the earlier INSET Operation.

Ans:

ROLLBACK;

Statement processed.