



**SECD2523 DATABASE SEMESTER 1  
(20232024)**

**TITLE:**  
LAB 2 DML 1

**LECTURER'S NAME:**  
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**SECTION:10**

<b>BIL</b>	<b>NAME</b>	<b>MATRIC NO</b>
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## DML PART 1 (RESULT)

PART 1: Running a script to populate tables.

- 1) INSERT INTO TEAMS ( id, name, Number\_of\_players, discount)  
VALUES ('t004', 'Jets', 10, 5);
- 2) INSERT INTO CUSTOMERS (ctr\_number, email, first\_name, last\_name, phone\_number, current\_balance, sre\_id, tem\_id, loyalty\_card\_number)  
VALUES ('C02001', 'brianrog@hoootech.com', 'Brian', 'Rogers', 01654564898, -5, '1c4587');
- 3) INSERT INTO CUSTOMERS (ctr\_number, email, first\_name, last\_name, phone\_number, current\_balance, sre\_id, tem\_id, loyalty\_card\_number)  
VALUES ('C02001', 'brianrog@hoootech.com', 'Brian', 'Rogers', 01654564898, 50, '1C4587');

PART 2 – Inserting rows to the system.

1)

```
1 v INSERT INTO TEAMS (id, name, Number_of_players, discount)
2   VALUES ('t004', 'Jets', 10, 5);
3
1 row(s) inserted.
```

2)

```
1 v INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number,
2   current_balance, sre_id, tem_id, loyalty_card_number)
3   VALUES('c02001', 'brianrog@hoootech.com', 'Brian', 'Rogers', '01654564898',
4   -5, NULL, NULL, '1c4587');
5
1 row(s) inserted.
```

3)

```
1 v INSERT INTO customers (ctr_number, email, first_name, last_name, phone_number,
2   current_balance, sre_id, tem_id, loyalty_card_number)
3   VALUES('c02001', 'brianrog@hoootech.com', 'Brian', 'Rogers', '01654564898',
4   -5, NULL, NULL, '1c4587');
5
ORA-00001: unique constraint (SQL_FLNKNDNGXRQMXRLVGJMTVUX.CUSTOMER_PK) violated ORA-06512: at "SYS.DBMS_SQL", line 1721
More Details: https://docs.oracle.com/error-help/db/ora-00001
```

## DML1 PART 2

### PART 1: Updating Rows to the System

- 1) 

```
SELECT strt_date, TO_CHAR (start_time, 'HH24:MI:SS'),  
price, end_date, TO_CHAR (end_time, 'HH24:MI')  
FROM price_history;
```
- 2) 

```
UPDATE PRICE_HISTORY  
SET end_date = SYSDATE, end_time = SYSTIMESTAMP  
WHERE itm_number = 'im01101048' AND end_date is NULL;
```
- 3) Rerun code
- 4) 

```
INSERT INTO PRICE_HISTORY (start_date, start_time, price, itm_number)  
VALUES (SYSDATE, SYSTIMESTAMP, 99.99, 'im01101048');
```
- 5) Rerun code

### PART 2: Deleting Rows from the System

- 1) 

```
DELETE FROM CUSTOMERS_ADDRESSES  
WHERE address_nne_1 = '83 Barhill Drive' ;
```
- 2) 

```
SELECT * FROM CUSTOMERS_ADDRESSES;
```

## PART 2 (RESULT)

- 1) 

```
1 SELECT start_date, TO_CHAR (start_time, 'hh24:mi:ss'), price, end_date, TO_CHAR (end_time, 'hh24:mi')  
2 FROM price_history;
```

START_DATE	TO_CHAR(START_TIME, 'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME, 'HH24:MI')
17-JUN-17	09:00:00	4.99	-	-
25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
26-JAN-17	09:00:00	15.99	-	-
12-FEB-17	12:30:00	7.99	-	-
25-APR-17	10:10:10	24.99	-	-
31-MAY-17	16:35:30	149	-	-

2)

```
1 v UPDATE price_history
2   SET end_date = SYSDATE, end_time = SYSTIMESTAMP
3   WHERE itm_number = 'im01101048' AND end_date is NULL;

1 row(s) updated.
```

3)

```
1 v SELECT start_date, TO_CHAR (start_time, 'hh24:mi:ss'), price, end_date, TO_CHAR (end_time, 'hh24:mi')
2   FROM price_history;
```

START_DATE	TO_CHAR(START_TIME, 'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME, 'HH24:MI')
17-JUN-17	09:00:00	4.99	-	-
25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
26-JAN-17	09:00:00	15.99	-	-
12-FEB-17	12:30:00	7.99	-	-
25-APR-17	10:10:10	24.99	-	-
31-MAY-17	16:35:30	149	10-NOV-23	04:19

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7 rows selected.

4)

```
1 v INSERT INTO price_history (start_date, start_time, price, itm_number)
2   VALUES (SYSDATE, SYSTIMESTAMP, 99.99, 'im01101048');
```

1 row(s) inserted.

5)

```
1 ✓ SELECT start_date, TO_CHAR (start_time,'hh24:mi:ss'), price, end_date, TO_CHAR (end_time, 'hh24:mi')
2 FROM price_history;
```

START_DATE	TO_CHAR(START_TIME, 'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME, 'HH24:MI')
17-JUN-17	09:00:00	4.99	-	-
25-NOV-16	09:00:00	14.99	25-JAN-17	17:00
25-JAN-17	17:01:00	8.99	25-JAN-17	19:00
26-JAN-17	09:00:00	15.99	-	-
12-FEB-17	12:30:00	7.99	-	-
25-APR-17	10:10:10	24.99	-	-
31-MAY-17	16:35:30	149	10-NOV-23	04:19
10-NOV-23	04:25:14	99.99	-	-

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8 rows selected.