

# Lab 2.1

Friday, 10 November 2023 7:53 PM

## SQL 2 (Exercise 1)

### Part 1

- i)

1. inventory-list

2. items

3. price-history

4. sales-representative

5. sales\_rep\_addresses

6. teams
7. customers

8. customers\_addresses

9. orders

10. ordered-items

ii) Yes. order is matched with my list

iii)

SQL Worksheet

History

0.28600001 seconds

Oracle-1

Worksheet

Query Builder

INSERT INTO inventory\_list (id, cost, units)

VALUES('i1010230124', 2.5, 100);

INSERT INTO inventory\_list (id, cost, units)

VALUES('i1010230125', 7.99, 250);

INSERT INTO inventory\_list (id, cost, units)

VALUES('i1010230126', 5.24, 87);

INSERT INTO inventory list (id, cost, units)

Script Output x

Task completed in 0.286 seconds

1 row inserted.

1 row inserted.

1 row inserted.

### Part 2

i.

Worksheet

Query Builder

INSERT INTO teams

VALUES('t004','Jets',10,5);

Script Output x

Task completed in 0.036 seconds

1 row inserted.

2.

Worksheet

Query Builder

INSERT INTO customers

VALUES('c02001','brainrog@hootech.com','Brian','Rogers','01654564898',-5,NULL,NULL,'Ic4587');

Script Output x

Task completed in 0.028 seconds

1 row inserted.

1 row inserted.

3.

Worksheet

Query Builder

INSERT INTO customers

VALUES('c02001','brainrog@hootech.com','Brian','Rogers','01654564898',50,NULL,NULL,'Ic4587');

Script Output x

Task completed in 0.05 seconds

1 row inserted.

Error starting at line : 1 in command -

INSERT INTO customers

VALUES('c02001','brainrog@hootech.com','Brian','Rogers','01654564898',50,NULL,NULL,'Ic4587')

Error report -

ORA-00001: unique constraint (SYSTEM.CUSTOMER\_PK) violated

Lab 2.2

Friday, 10 November 2023 9:02 PM

SQL2 (Exercise 2)

Part 1

1)

WorksheetQuery Builder

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

Script Output x

Task completed in 0.147 seconds

START_DATE	TO_CHAR(	PRICE	END_DATE	TO_CH
17/06/2017	09:00:00	4.99		
25/11/2016	09:00:00	14.99	25/01/2017	17:00
25/01/2017	17:01:00	8.99	25/01/2017	19:00
26/01/2017	09:00:00	15.99		
12/02/2017	12:30:00	7.99		
25/04/2017	10:10:10	24.99		
31/05/2017	16:35:30	149		

2)

WorksheetQuery Builder

```
UPDATE price_history
SET end_date = SYSDATE,
    end_time = SYSTIMESTAMP
WHERE itm_number = 'im01101048'
AND end_date IS NULL;
```

Script Output x

Task completed in 0.038 seconds

26/01/2017	09:00:00	15.99		
12/02/2017	12:30:00	7.99		
25/04/2017	10:10:10	24.99		
31/05/2017	16:35:30	149		

7 rows selected.

1 row updated.

3.

WorksheetQuery Builder

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

Script Output x

Task completed in 0.036 seconds

START_DATE	TO_CHAR(	PRICE	END_DATE	TO_CH
17/06/2017	09:00:00	4.99		
25/11/2016	09:00:00	14.99	25/01/2017	17:00
25/01/2017	17:01:00	8.99	25/01/2017	19:00
26/01/2017	09:00:00	15.99		
12/02/2017	12:30:00	7.99		
25/04/2017	10:10:10	24.99		
31/05/2017	16:35:30	149	10/11/2023	21:07

4.

WorksheetQuery Builder

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

Script Output x

Task completed in 0.032 seconds

26/01/2017	09:00:00	15.99		
12/02/2017	12:30:00	7.99		
25/04/2017	10:10:10	24.99		
31/05/2017	16:35:30	149	10/11/2023	21:07

7 rows selected.

1 row inserted.

5.

WorksheetQuery Builder

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

Script Output x

Task completed in 0.04 seconds

START_DATE	TO_CHAR(	PRICE	END_DATE	TO_CH
17/06/2017	09:00:00	4.99		
25/11/2016	09:00:00	14.99	25/01/2017	17:00
25/01/2017	17:01:00	8.99	25/01/2017	19:00
26/01/2017	09:00:00	15.99		
12/02/2017	12:30:00	7.99		
25/04/2017	10:10:10	24.99		
31/05/2017	16:35:30	149	10/11/2023	21:07
10/11/2023	21:11:03	99.99		

Part 2

1.

WorksheetQuery Builder

```
DELETE FROM customers_addresses
WHERE address_line_1= '83 Barrhill Drive';
```

Script Output x

Task completed in 0.025 seconds

12/02/2017	12:30:00	7.99		
25/04/2017	10:10:10	24.99		
31/05/2017	16:35:30	149	10/11/2023	21:07
10/11/2023	21:11:03	99.99		

8 rows selected.

1 row deleted.

2.

WorksheetQuery Builder

```
SELECT * FROM customers_addresses
```

Script Output x

Task completed in 0.03 seconds

1 row deleted.

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_COD	CTR_NU
ca0102	17 Gartsquare Road	Starford	Liverpool	LP89JHK	c00001
ca0103	54 Ropehill Crescent	Georgetown	Star	ST45AGV	c00101
ca0104	36 Watercross Lane		Jump	JP23YTH	c01986
ca0105	63 Acacia Drive	Skins	Liverpool	LP83JHR	c00001