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Section: 06

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Part 1: Running a script to populate the tables

(1) a. inventory - list

b. items

c. price - history

d. sales - representative

e. sales - rep - addresses

f. teams

g. customers

h. customers - addresses

i. orders

j. ordered - items

(2) Yes, the list above matched the order of data of "sports data.sql".

(3)

Number	Elapsed	Statement	Feedback	Rows
1	0.07	INSERT INTO inventory_list (id, cost, units) VALUES (W00023)	1 row(s) inserted.	1
2	0.00	INSERT INTO inventory_list (id, cost, units) VALUES (W00023)	1 row(s) inserted.	1
3	0.01	INSERT INTO inventory_list (id, cost, units) VALUES (W00023)	1 row(s) inserted.	1
4	0.00	INSERT INTO inventory_list (id, cost, units) VALUES (W00023)	1 row(s) inserted.	1
5	0.00	INSERT INTO inventory_list (id, cost, units) VALUES (W00023)	1 row(s) inserted.	1
6	0.07	INSERT INTO items (item_number, name, description, category)	1 row(s) inserted.	1
7	0.00	INSERT INTO items (item_number, name, description, category)	1 row(s) inserted.	1
8	0.01	INSERT INTO items (item_number, name, description, category)	1 row(s) inserted.	1
9	0.00	INSERT INTO items (item_number, name, description, category)	1 row(s) inserted.	1
10	0.00	INSERT INTO items (item_number, name, description, category)	1 row(s) inserted.	1
11	0.04	INSERT INTO price_history (start_date, start_time, price, it	1 row(s) inserted.	1
12	0.00	INSERT INTO price_history (start_date, start_time, price, en	1 row(s) inserted.	1
13	0.00	INSERT INTO price_history (start_date, start_time, price, en	1 row(s) inserted.	1
14	0.01	INSERT INTO price_history (start_date, start_time, price, it	1 row(s) inserted.	1
15	0.00	INSERT INTO price_history (start_date, start_time, price, it	1 row(s) inserted.	1
16	0.00	INSERT INTO price_history (start_date, start_time, price, it	1 row(s) inserted.	1
17	0.01	INSERT INTO price_history (start_date, start_time, price, it	1 row(s) inserted.	1
18	0.02	INSERT INTO sales_representatives (id, email, first_name, la	1 row(s) inserted.	1
19	0.00	INSERT INTO sales_representatives (id, email, first_name, la	1 row(s) inserted.	1
20	0.01	INSERT INTO sales_representatives (id, email, first_name, la	1 row(s) inserted.	1
21	0.01	INSERT INTO sales_rep_addresses (id, address_line_1, address	1 row(s) inserted.	1
22	0.00	INSERT INTO sales_rep_addresses (id, address_line_1, address	1 row(s) inserted.	1
23	0.00	INSERT INTO sales_rep_addresses (id, address_line_1, address	1 row(s) inserted.	1
24	0.03	INSERT INTO teams (id, name, number_of_players, discount) VA	1 row(s) inserted.	1
25	0.01	INSERT INTO teams (id, name, number_of_players, discount) VA	1 row(s) inserted.	1
26	0.00	INSERT INTO teams (id, name, number_of_players, discount) VA	1 row(s) inserted.	1
27	0.03	INSERT INTO customers (ctr_number, email, first_name, last_n	1 row(s) inserted.	1
28	0.00	INSERT INTO customers (ctr_number, email, first_name, last_n	1 row(s) inserted.	1
29	0.00	INSERT INTO customers (ctr_number, email, first_name, last_n	1 row(s) inserted.	1
30	0.00	INSERT INTO customers (ctr_number, email, first_name, last_n	1 row(s) inserted.	1
31	0.01	INSERT INTO customers (ctr_number, email, first_name, last_n	1 row(s) inserted.	1
32	0.01	INSERT INTO customers_addresses (id, address_line_1, address	1 row(s) inserted.	1
33	0.00	INSERT INTO customers_addresses (id, address_line_1, address	1 row(s) inserted.	1
34	0.00	INSERT INTO customers_addresses (id, address_line_1, address	1 row(s) inserted.	1
35	0.00	INSERT INTO customers_addresses (id, address_line_1, address	1 row(s) inserted.	1
36	0.00	INSERT INTO customers_addresses (id, address_line_1, address	1 row(s) inserted.	1
37	0.01	INSERT INTO orders (id, odr_date, odr_time, number_of_units,	1 row(s) inserted.	1
38	0.00	INSERT INTO orders (id, odr_date, odr_time, number_of_units,	1 row(s) inserted.	1
39	0.01	INSERT INTO orders (id, odr_date, odr_time, number_of_units,	1 row(s) inserted.	1
40	0.00	INSERT INTO orders (id, odr_date, odr_time, number_of_units,	1 row(s) inserted.	1
41	0.00	INSERT INTO orders (id, odr_date, odr_time, number_of_units,	1 row(s) inserted.	1
42	0.02	INSERT INTO ordered_items (quantity_ordered, quantity_shope	1 row(s) inserted.	1
43	0.00	INSERT INTO ordered_items (quantity_ordered, quantity_shope	1 row(s) inserted.	1
44	0.00	INSERT INTO ordered_items (quantity_ordered, quantity_shope	1 row(s) inserted.	1
45	0.00	INSERT INTO ordered_items (quantity_ordered, quantity_shope	1 row(s) inserted.	1
46	0.00	INSERT INTO ordered_items (quantity_ordered, quantity_shope	1 row(s) inserted.	1
47	0.00	INSERT INTO ordered_items (quantity_ordered, quantity_shope	1 row(s) inserted.	1

(4) No errors occurred when running the "sports data.sql" script.

Part 2 - Inserting rows to the system

(1)

id	name	Number_of_players	discount
t004	Jets	10	5

- INSERT INTO teams (id, name, number_of_players, discount)
VALUES ('t004', 'Jets', 10, 5);

TEAMS			
Columns	Data	Indexes	Constraints
Grants	Statistics	Triggers	Dependencies
DDL	Sample Queries		
+ Insert Row	Columns...	Filter...	Count Rows
Load Data	Download	Refresh	
ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
t004	Jets	10	5

ctr	email	First name	Last name	Phone number	Current balance	Loyalty card number	tem id	Sre id
co2001	brianrog@hoootech.com	Brian	Rogers	01654564898	-5	lc4587		

- INSERT INTO customers (ctr-number, email, first-name, last-name, phone-number, current-balance, loyalty-card-number)
VALUES ('CO2001', 'brianrog@hoootech.com', 'Brian', 'Rogers', '01654564898', -5, 'lc4587');

Results	Explain	Describe	Saved SQL	History
ORA-02290: check constraint (WKSP_WONGJUSPACE.CHECK_BALANCE) violated				
0.02 seconds				

CUSTOMERS						
Columns	Data	Indexes	Constraints	Grants	Statistics	Triggers
Dependencies	DDL	Sample Queries				
+ Create	Drop	Enable	Disable	Refresh		
Constraint	Type	Search Condition	Related Constraint	Columns	Delete Rule	Status
CHECK_BALANCE	Check	current_balance >= 0				ENABLED

(3) INSERT INTO customers (ctr-number, email, first-name, last-name, phone-number, current-balance, loyalty-card-number)
VALUES ('CO2001', 'brianrog@hoootech.com', 'Brian', 'Rogers', '01654564898', 50, 'lc4587');

CUSTOMERS								
Columns	Data	Indexes	Constraints	Grants	Statistics	Triggers	Dependencies	DDL
Sample Queries								
+ Insert Row	Columns...	Filter...	Count Rows	Load Data	Download	Refresh		
CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER...
c02001	brianrog@hoootech.c...	Brian	Rogers	01654564898	50			lc4587

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Part 1 - Updating rows to the system

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

START_DATE	TO_CHAR(START_TIME,'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME,'HH24:MI')
06/17/2017	09:00:00	4.99	-	-
11/25/2016	09:00:00	14.99	01/25/2017	17:00
01/25/2017	17:01:00	8.99	01/25/2017	19:00
01/26/2017	09:00:00	15.99	-	-
02/12/2017	12:30:00	7.99	-	-
04/25/2017	10:10:10	24.99	-	-
05/31/2017	16:35:30	149	-	-

(2) UPDATE price_history

```
SET end_date = SYSDATE, end_time = SYSDATE
WHERE itm_number = 'im 01101048' AND end_date IS NULL;
```

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

START_DATE	TO_CHAR(START_TIME,'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME,'HH24:MI')
06/17/2017	09:00:00	4.99	-	-
11/25/2016	09:00:00	14.99	01/25/2017	17:00
01/25/2017	17:01:00	8.99	01/25/2017	19:00
01/26/2017	09:00:00	15.99	-	-
02/12/2017	12:30:00	7.99	-	-
04/25/2017	10:10:10	24.99	-	-
05/31/2017	16:35:30	149	11/09/2023	00:54

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

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

START_DATE	TO_CHAR(START_TIME,'HH24:MI:SS')	PRICE	END_DATE	TO_CHAR(END_TIME,'HH24:MI')
06/17/2017	09:00:00	4.99	-	-
11/25/2016	09:00:00	14.99	01/25/2017	17:00
01/25/2017	17:01:00	8.99	01/25/2017	19:00
01/26/2017	09:00:00	15.99	-	-
02/12/2017	12:30:00	7.99	-	-
04/25/2017	10:10:10	24.99	-	-
05/31/2017	16:35:30	149	11/09/2023	00:54
11/09/2023	01:18:24	99.99	-	-

Part 2: Deleting rows from column

(1) DELETE FROM customers_addresses
WHERE id = 'ca0101';

(2) SELECT * FROM customers_addresses;

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