

Lesson 4 Exercise 1: Data Manipulation Language

Part1: Running a script to populate the tables.

Relation inventory_list

ID	COST	UNITS
11010230124	2.5	100
11010230125	7.99	250
11010230126	5.24	87
11010230127	18.95	65
11010230128	97.46	8

Relation items

ITM_NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	Size	ITL_ID
im01101044	gloves	catcher mitt	clothing	brown	m	11010230124
im01101045	under shirt	top worn under the game top	clothing	white	s	11010230125
im01101046	socks	team socks with emblem	clothing	range	l	11010230126
im01101047	game top	team shirt with emblem	clothing	range	m	11010230127
im01101048	premium bat	high quality baseball bat	equipment	-	-	11010230128

Relation price_history

START_DATE	START_TIME	PRICE	END_DATE	END_TIME	ITM_NUMBER
17-JUN-17	17-JUN-16	4.99	-	-	im01101044
25-NOV-16	25-NOV-16	14.99	25-JAN-17	25-JAN-17	im01101045
25-JAN-17	25-JAN-17	8.99	25-JAN-17	25-JAN-17	im01101045
26-JAN-17	26-JAN-17	15.99	-	-	im01101045
12-FEB-17	12-FEB-17	7.99	-	-	im01101046
25-APR-17	25-APR-17	24.99	-	-	im01101047
31-MAY-17	31-MAY-17	149	-	-	im01101048

Relation sales_representatives

ID	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	COMMISSION_RATE	SUPERVISOR_ID
sr01	chray@oel.com	Charles	Raymond	0134598761	10	sr01
sr02	vwright@oel.com	Victoria	Wright	0134598762	5	sr01
sr03	bspeed@oel.com	Berry	Speed	0134598763	5	sr01

Relation sales_rep_addresses

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_CODE
sr01	12 Cherry Lane	Denton	Detroit	DT48211
sr02	87 Blossom Hill	Uptown	Detroit	DT52314
sr03	12 Junction Row	Skinflats	Detroit	DT52564

Relation teams

ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
t001	Rockets	25	10
t002	Celtics	42	20
t003	Rovers	8	-

Relation customers

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150	sr01	t001	-
c00012	Jjones@freemail.com	Jennifer	Jones	01505214558	0	-	-	1c1015
c00101	unknown@here.com	John	Doe	03216547000	107.5	sr01	t002	-
c00103	Murcia4@globaltech.com	Andrew	Murcia	07715146890	85	-	-	1c2341
c01506	marga187@delpriview.com	Marie	Galant	01442730500	125.03	sr03	t003	-

Relation customer_addresses

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_CODE	CTR_NUMBER
ca0101	83 Barrmill Drive	-	Liverpool	LP75HJK	c00001
ca0102	17 Gartsquare Road	Starford	Liverpool	LP893HK	c00001
ca0103	54 Ropehill Crescent	Georgetown	Star	ST4SAGV	c00101
ca0104	36 Watercress Lane	-	Jump	JP23VTH	c01986
ca0105	63 Acacia Drive	Skins	Liverpool	LP833HR	c00001

Relation orders

ID	ORD_DATE	ORD_TIME	NUMBER_OF_UNITS	CTR_NUMBER
or0101250	17-APR-17	17-APR-17	10	c00001
or0101350	24-MAY-17	24-MAY-17	5	c00001
or0101425	28-MAY-17	28-MAY-17	18	c00103
or0101881	02-JUN-17	02-JUN-17	10	c00001
or0101750	18-JUN-17	18-JUN-17	1	c01986

Relation ordered_items

QUANTITY_ORDERED	QUANTITY_SHIPPED	ITH_NUMBER	OOD_ID
5	5	im01101044	or0101250
5	5	im01101046	or0101250
5	5	im01101044	or0101350
10	10	im01101047	or0101425
10	10	im01101047	or0101681
1	1	im01101048	or0101750

Part2 : Inserting rows to the system

Add a new team to the system

ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
t001	Rockets	25	10
t002	Celtics	42	20
t003	Rovers	8	-
t004	Jets	10	5

Add a new customer with the following details to the system

ORA-02290: check constraint (SQL_FWMKIDVDFMHWGWNUTIRAEIUV.CHECK_BALANCE) violated ORA-06512: at "SYS.DBMS_SQL", line 1721

More Details: <https://docs.oracle.com/error-help/db/ora-02290>

This information violates the check constraint that the current balance must not be less than zero. Change the current balance to 50 and rerun the query.

CTH_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01134567890	150	sr01	t001	-
c00012	j.jones@freemail.com	Jennifer	Jones	01506214590	0	-	-	1c1015
c00101	unknown@here.com	John	Doe	03210547800	907.5	sr01	t002	-
c00103	Murcia@globaltech.com	Andrew	Murcia	07711246800	05	-	-	1c2341
c01000	margal07@delphiview.com	Maria	Galant	01442730500	125.05	sr03	t003	-
c02001	brianrog@hoootech.com	Brian	Rogers	1654564800	50	-	-	1c4507