

PART 1

CUSTOMERS RELATION

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
1 c00001	bob.thornberry@heatmail.com	Robert	Thornberry	01234567898	150 sr01	t001	(null)	
2 c00012	Jjones@freemail.com	Jennifer	Jones	01505214598	0 (null)	(null)	1c1015	
3 c00101	unknown@here.com	John	Doe	03216547808	987.5 sr01	t002	(null)	
4 c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85 (null)	(null)	1c2341	
5 c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65 sr03	t003	(null)	

CUSTOMER_ADDRESS RELATION

ID	ADDRESS_LINE_1	ADDRESS_LINE_2	CITY	ZIP_CODE	CTR_NUMBER
1 ca0101	83 Barrhill Drive	(null)	Liverpool	LP79HJK	c00001
2 ca0102	17 Gartsquare Road	Starford	Liverpool	LP89JHK	c00001
3 ca0103	54 Ropehill Crescent	Georgetown	Star	ST45AGV	c00101
4 ca0104	36 Watercress Lane	(null)	Jump	JP23YTH	c01986
5 ca0105	63 Acacia Drive	Skins	Liverpool	LP83JHR	c00001

INVENTORY_LIST RELATION

ID	COST	UNITS
1 i1010230124	2.5	100
2 i1010230125	7.99	250
3 i1010230126	5.24	87
4 i1010230127	18.95	65
5 i1010230128	97.46	8

ITEMS RELATION

ITM_NUMBER	NAME	DESCRIPTION	CATEGORY	COLOR	Size	ILT_ID
1 im01101044	gloves	catcher mitt	clothing	brown	m	i1010230124
2 im01101045	under shirt	top worn under the game top	clothing	white	s	i1010230125
3 im01101046	socks	team socks with emblem	clothing	range	l	i1010230126
4 im01101047	game top	team shirt with emblem	clothing	range	m	i1010230127
5 im01101048	premium bat	high quaity baseball bat	equipment	(null)	(null)	i1010230128

ORDERED_ITEMS RELATION

	QUANTITY_ORDERED	QUANTITY_SHIPPED	ITM_NUMBER	ODR_ID
1	5	5	im01101044	or0101250
2	5	5	im01101046	or0101250
3	5	5	im01101044	or0101350
4	18	18	im01101047	or0101425
5	10	10	im01101047	or0101681
6	1	1	im01101048	or0101750

ORDERS RELATION

	ID	ODR_DATE	ODR_TIME	NUMBER_OF_UNITS	CTR_NUMBER
1	or0101250	17/04/2017	17/04/2017	10	c00001
2	or0101350	24/05/2017	24/05/2017	5	c00001
3	or0101425	28/05/2017	28/05/2017	18	c00103
4	or0101681	02/06/2017	02/06/2017	10	c00001
5	or0101750	18/06/2017	18/06/2017	1	c01986

PRICE_HISTORY RELATION

	START_DATE	START_TIME	PRICE	END_DATE	END_TIME	ITM_NUMBER
1	17/06/2017	17/06/2016	4.99	(null)	(null)	im01101044
2	25/11/2016	25/11/2016	14.99	25/01/2017	25/01/2017	im01101045
3	25/01/2017	25/01/2017	8.99	25/01/2017	25/01/2017	im01101045
4	26/01/2017	26/01/2017	15.99	(null)	(null)	im01101045
5	12/02/2017	12/02/2017	7.99	(null)	(null)	im01101046
6	25/04/2017	25/04/2017	24.99	(null)	(null)	im01101047
7	31/05/2017	31/05/2017	149	(null)	(null)	im01101048

TEAMS RELATION

	ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
1	t001	Rockets	25	10
2	t002	Celtics	42	20
3	t003	Rovers	8	(null)

PART 2

1. INSERT INTO TEAMS

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

TEAMS RELATION AFTER ADDING A NEW ROW

ID	NAME	NUMBER_OF_PLAYERS	DISCOUNT
1	t001 Rockets	25	10
2	t002 Celtics	42	20
3	t003 Rovers	8	(null)
4	t004 Jets	10	5

2. Error in Check Constraint

INSERT INTO CUSTOMERS(ctr_number, email, first_name, last_name, phone_number, loyalty_card_number

VALUES ('t004', 'brianrog@hootech.com', 'Brian', 'Rogers', '01654564898', 'lc4587')

```
Error starting at line : 1 in command -
INSERT INTO CUSTOMERS(ctr_number, email, first_name, last_name, phone_number, current_balance, loyalty_card_number)
VALUES ('t004', 'brianrog@hootech.com', 'Brian', 'Rogers', '01654564898', -5, 'lc4587')
Error report -
ORA-02290: check constraint (SYSTEM.CURRENT_BALANCE_MIN) violated
```

3. After change -5 to 50

INSERT INTO CUSTOMERS(ctr_number, email, first_name, last_name, phone_number, loyalty_card_number

VALUES ('t004', 'brianrog@hootech.com', 'Brian', 'Rogers', '01654564898', 'lc4587')

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4	c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85 (null)	(null)	lc2341
5	c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003 (null)
6	t004	brianrog@hootech.com	Brian	Rogers	01654564898	50 (null)	(null)	lc4587