



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

UNIVERSITI TEKNOLOGI MALAYSIA (UTM), CAMPUS SKUDAI

SECD2523

DATABASE

ASSIGNMENT TITLE:

Lab Exercise 2

PREPARED BY:

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SECTION:

SECD2523-03

LECTURER'S NAME:

DR IZYAN IZZATI BINTI KAMSANI

DATE OF SUBMISSION:

9th November 2023

EXERCISE 1

PART 1

Part 1				
inventory_list		Items		price-history
id {pk}		Item_number {pk}		start_date
cost		name		start_time
units		description		price
		category		end_date
		color		end_time
		size		Item_number {fk}
		Item_id {fk}		
sales-representatives		sales-rep-addresses		teams
id {pk}		id {pk}		id {pk}
email		address-line-1		name
first_name		address-line-2		number-of-players
last_name		city		obscure
phone-number		zip-code		
commission-rate				
supervisor-id				
customers		customers-addresses		orders
ctr-number {pk}		id {pk}		id {pk}
email		address-line-1		odr-date
first_name		address-line-2		odr-time
last_name		city		number-of-units
phone-number		zip-code		ctr-number {fk}
current-balance		ctr-number {fk}		
pre-od {fk}				
item-id				
loyalty-card-number				
ordered-items				
quantity-ordered				
quantity-shipped				
odr-id {fk}				
Item_number {fk}				
order:	Inventory-list, Items, price-history, sales-rep-addresses, teams, customers, customers-addresses, orders, ordered-items.			

PART 2

1.

	PART 2
1.	INSERT INTO teams VALUES ('t004', 'Jets', 10, 5);

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

2.

2.	INSERT INTO customers VALUES ('c02001', 'brianrog@hoootech.com', 'Brian', 'Rogers', 01654564898, -5, NULL, NULL, 'lc4587');
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3.

3.	INSERT INTO customers VALUES ('c02001', 'brianrog@hoootech.com', 'Brian', 'Rogers', 01654564898, 50, NULL, NULL, 'lc4587');
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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	01505214598	0	-	-	lc1015
c00101	unknown@here.com	John	Doe	03216547808	987.5	sr01	t002	-
c00103	MurciaA@globaltech.com	Andrew	Murcia	07715246890	85	-	-	lc2341
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	-
c02001	brianrog@hoootech.com	Brian	Rogers	01654564898	50	-	-	lc4587

EXERCISE 2

PART 1

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	-	-

1.

2. UPDATE price-history
 SET end_date = SYSDATE, end_time = SYSTIMESTAMP
 WHERE itm_number = 'im01101048'
 AND end_date IS NULL;

2.

3. SELECT * FROM price-history;

3.

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

4. INSERT INTO price-history (start_date, start_time, price, itm_number)
 VALUES (SYSDATE, SYSTIMESTAMP, 99.99, 'im01101048');

4.

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
09-NOV-23	09-NOV-23	99.99	-	-	im01101048

5.

PART 2

	PART 2
1.	DELETE FROM customers_addresses WHERE address_line_1 = '83 Barrhill Drive';
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