	Date
Pua Zhi	Ying Azzeco103 - Database Lab
	Part 1: Reading information from a script ("oblsports.ddl")
1.	How many tables have been created using the CREATE TABLE statement? 10 tables, namely inventory_list, items, price_history, sales_representatives; sales_icp_addresses, teams, customers, customers_addresses, orders, orders, ordered_items
2.	How many columns are created for the price history table? 6 columns, namely start_date, start_time, price, end_date, end_time, itm_number
3.	what statement is used to enforce the constraint that the category column of the items table must have a value?
4	what is the name of the foreign key constraint between the customers and customer addresses tables? customer_address_ customer_fk
5.	What are the lowest and highest values that can be stored in the commission-rate column for the sales-representatives table? Lowest is -99, highest is 99
G	brice_history table? Lowest 1s -99999.99, highest is 99999.99
	What are the 3 columns that make up the primary key for the price-history table? itm_number, start_date, start_time

Date

Part 2: Updating constraints

Modifying a column

1. Run the PESCRIBE command on the orders table to view its structure PESCRIBE orders;



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Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ORDERS	ID	VARCHAR2	9	-		1	2	-	-
	ODR_DATE	DATE	7	-	-	-	-	-	-
	ODR_TIME	DATE	7	-	-	(2)	4	2	=
	NUMBER_OF_UNITS	NUMBER	5	2	0	7	=	=	-
	CTR_NUMBER	VARCHAR2	6	2	-	-	-	2	-



2. Task! Add a default constraint that will use todays date to assign a value to the odr. date column of the orders table if no date is provided

ALTER TABLE order MODIFY adr. date DEPHULT SISDATE;

3. Run the DESCRIBE command again to verify the command was successful.

DESCRIBE orders;

Obje	Object Type TABLE ② Object ORDERS ②											
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment			
ORDERS	ID	VARCHAR2	9	-		1	-	-	-			
	ODR_DATE	DATE	7	-	¥	-	-	SYSDATE	-			
	ODR_TIME	DATE	7	[-	-	A T ()	-		-			
	NUMBER_OF_UNITS	NUMBER	-	2	0	-	-	-	-			
	CTR_NUMBER	VARCHAR2	6	-	÷	-	=	÷	141			



Adding a check constraint

1. Run the DESCRIBE command on the customers table to view its structure.

PESCRIBE customers:

Object T	ype TABLE ②	Object	CUSTOME	RS ②					
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMERS	CTR_NUMBER	VARCHAR2	6	-	27	1		-	-
	EMAIL	VARCHAR2	50	in the second	-	-	÷	1	
	FIRST_NAME	VARCHAR2	20	-	150	-	-	-	
	LAST_NAME	VARCHAR2	30	-	-	=		-	.=.
	PHONE_NUMBER	VARCHAR2	11	-	-	-	-	-	=
	CURRENT_BALANCE	NUMBER	-	6	2	-	-	-	
	SRE_ID	VARCHAR2	4	2	27	-	\$	2	-
	TEM_ID	VARCHAR2	4	-	-	-	\$	-	:=:
	LOYALTY_CARD_NUMBER	VARCHAR2	6		8.		V	ē	

2. Task: Add a check constraint that will not allow the customers current balance to
go below zero.

ATER TABLE customers ADD CONSTRAINT customer_balance_chk check cament_balance 7=0);

3. Run the DESCRIBE command again to verify the command was symmetry.

DESCRIBE customers;

Object T	ype TABLE ②	Object	CUSTOME	RS 🕐					
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMERS	CTR_NUMBER	VARCHAR2	6	-	-	1	-	-	
	EMAIL	VARCHAR2	50	-	-	=	-	-	.e.s
	FIRST_NAME	VARCHAR2	20	-	=	-	-	-	-
	LAST_NAME	VARCHAR2	30	-	-	-	-	-	-:
	PHONE_NUMBER	VARCHAR2	11	-		-	-	-	20.
	CURRENT_BALANCE	NUMBER		6	2	-	-		-
THE	SRE_ID	VARCHAR2	4	÷	-	-	1	-	-
	TEM_ID	VARCHAR2	4	-	=		1		-
	LOYALTY_CARD_NUMBER	VARCHAR2	6	-	-1		1		-

4.	A check	constraint	is not	shown	in the	results	of a	describe	command	3 (3) A
							1 7563	satrov á i	and weren	

Constraint	Туре	Search Condition	Related Constraint	Columns	Delete Rule
CUSTOMER_BALANCE_CHK	Check	current_balance >= 0			



No:

Date:

Adding a column

Run the DESCRIBE command on the customers table to view its structure

DESCRIBE customers's

Object T	ype TABLE ②	Object	CUSTOME	RS 🕐					
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMERS	CTR_NUMBER	VARCHAR2	6	-	-	1	-	-	
	EMAIL	VARCHAR2	50	-	-	-	-	-	.e.s
	FIRST_NAME	VARCHAR2	20	-	=	-	-	-	-
	LAST_NAME	VARCHAR2	30	-	-	-	-	-	-:
	PHONE_NUMBER	VARCHAR2	11	-		-	-	-	20.
	CURRENT_BALANCE	NUMBER		6	2	-	-		-
THE	SRE_ID	VARCHAR2	4	÷	-	-	1	-	-
	TEM_ID	VARCHAR2	4	-	=		1		-
	LOYALTY_CARD_NUMBER	VARCHAR2	6	-	-1		1		-

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in the DI		an the	customers	table to view its	s structure	



Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMERS	CTR_NUMBER	VARCHAR2	6	1-0	-	1	-	-	
	EMAIL	VARCHAR2	50		•	-	-	-	-
	FIRST_NAME	VARCHAR2	20	-	*	-	-	-	+
	LAST_NAME	VARCHAR2	30	#	-	-	-	*	-
	PHONE_NUMBER	VARCHAR2	11	-	1.0	÷.	-	-	
	CURRENT_BALANCE	NUMBER		6	2	-		*	-
	SRE_ID	VARCHAR2	4	:=:	×=:	-	S	(#)	-
	TEM_ID	VARCHAR2	4	-	-		\$		-
	LOYALTY_CARD_NUMBER	VARCHAR2	6	-	-	-	V	-	
	MOBILE_PHONE_NUMBER	VARCHAR2	11	-			y		<u></u>



Dropping a column

1. Run the DESCRIBE command on the customers table to view its structure

PESCRIBE customers;



Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMERS	CTR_NUMBER	VARCHAR2	6	1-0	-	1	-	-	
	EMAIL	VARCHAR2	50		•	-	-	-	-
	FIRST_NAME	VARCHAR2	20	-	*	-	-	-	+
	LAST_NAME	VARCHAR2	30	#	-	-	-	*	-
	PHONE_NUMBER	VARCHAR2	11	-	1.0	÷.	-	-	
	CURRENT_BALANCE	NUMBER		6	2	-		*	-
	SRE_ID	VARCHAR2	4	:=:	×=:	-	S	(#)	-
	TEM_ID	VARCHAR2	4	-	-		\$		-
	LOYALTY_CARD_NUMBER	VARCHAR2	6	-	-	-	V	-	
	MOBILE_PHONE_NUMBER	VARCHAR2	11	-			y		<u></u>



2. Task: Prop the column that was created to store the mobile phone number ALTER TABLE customers DROP COLUMN mobile phone number:

3. Run the DESCRIBE command on the customers table to view its structure DESCRIBE customers's



Object T	ype TABLE ②	Object	CUSTOME	RS ②					
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMERS	CTR_NUMBER	VARCHAR2	6	-	27	1		-	-
	EMAIL	VARCHAR2	50	in the second	-	-	÷	1	
	FIRST_NAME	VARCHAR2	20	-	150	-	-	-	
	LAST_NAME	VARCHAR2	30	-	-	=		-	.=.
	PHONE_NUMBER	VARCHAR2	11	-	-	-	-	-	=
	CURRENT_BALANCE	NUMBER	-	6	2	-	-	-	
	SRE_ID	VARCHAR2	4	2	27	-	\$	2	-
	TEM_ID	VARCHAR2	4	-	-	-	\$	-	:=:
	LOYALTY_CARD_NUMBER	VARCHAR2	6		8.		V	ē	