Rua Zhi	Ying AZZECO103 - Database Lab
	Part 1: Reading information from a script ("oblsports.ddl")
l.	How many tables have been created using the CREATE TABLE statement?  10 tables, namely inventory_list, items, price_history, sales_representatives; sales_kep_addresses, teams, customers, customers_addresses, Orders, onlered_items
2.	How many columns are created for the price history to ble?  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 take 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	- What are the lowest and highest values that can be stored in the price column for the price_history table?,  Lowest 1s -99999.99, highest is 99999.99
7	what are the 3 columns that make up the primary key for the price-history table?  itm_number, stan_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	2	- 1	1	121	-	-
	ODR_DATE	DATE	7	-	-	-	-	-	-
	ODR_TIME	DATE	7	=	2	121	120	2	=
	NUMBER_OF_UNITS	NUMBER	5	2	0	5 <del>5.</del> 8	=	=	-
	CTR_NUMBER	VARCHAR2	6	2	-	749	141	2	2



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

ALTER TABLE order MODIFY adr\_date DEFAULT SKDATE;

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

DESCRIBE orders;

Obje	ect Type TABLE ②		Object <b>C</b>	ORDERS ②					
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ORDERS	ID	VARCHAR2	9	-	<b>.</b>	1		-	-
	ODR_DATE	DATE	7	-	-	R#R	:=:	SYSDATE	
	ODR_TIME	DATE	7		-	150	-	=	=
	NUMBER_OF_UNITS	NUMBER	-	2	0	-	( <b>-</b> .)	-	1-1
	CTR_NUMBER	VARCHAR2	6	-	-	,	3	=	



Adding a check constraint

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

DESCRIBE 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	-	20	1			121
	EMAIL	VARCHAR2	50	9	÷.	-	-		9
	FIRST_NAME	VARCHAR2	20						
	LAST_NAME	VARCHAR2	30	-		-	-	-	
	PHONE_NUMBER	VARCHAR2	11	-	( <del>-</del> )	-	-	-	
	CURRENT_BALANCE	NUMBER	-	6	2	-	F .	-	i.e.i
	SRE_ID	VARCHAR2	4	-	257	-	\$	v v	100
	TEM_ID	VARCHAR2	4	-	-	-	\$	-	: <del>-</del> :
	LOYALTY_CARD_NUMBER	VARCHAR2	6				1	â.	

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 chieck c ament\_balance 7=0);

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

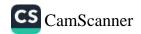
DESCRIBE customers;

Object T	Type TABLE ②	Object	CUSTOME	RS ②					
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMERS	CTR_NUMBER	VARCHAR2	6	-	-	1		-	-
	EMAIL	VARCHAR2	50	-	-	-		-	31
	FIRST_NAME	VARCHAR2	20	-	-	-	-	-	+:
	LAST_NAME	VARCHAR2	30	-	-	-	-	-	(=)
	PHONE_NUMBER	VARCHAR2	11		-	-	-	-	140
	CURRENT_BALANCE	NUMBER		6	2	=	-	-	120
	SRE_ID	VARCHAR2	4	-	-		1	-	-
	TEM_ID	VARCHAR2	4	-	-	-	\$	-	
	LOYALTY_CARD_NUMBER	VARCHAR2	6		-:		1	-	-

4.	A check	constraint is	not	shown	in the	results	of a	describe	command	La A
							1 7568			
						Mark				



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



No:

Date: .....

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

DESCRIBE customers?

Object T	Type TABLE ②	Object	CUSTOME	RS ②					
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMERS	CTR_NUMBER	VARCHAR2	6	-	-	1		-	-
	EMAIL	VARCHAR2	50	-	-	-		-	31
	FIRST_NAME	VARCHAR2	20	-	-	-	-	-	+:
	LAST_NAME	VARCHAR2	30	-	-	-	-	-	(=)
	PHONE_NUMBER	VARCHAR2	11		-	-	-	-	140
	CURRENT_BALANCE	NUMBER		6	2	=	-	-	120
	SRE_ID	VARCHAR2	4	-	-		1	-	-
	TEM_ID	VARCHAR2	4	-	-	-	\$	-	
	LOYALTY_CARD_NUMBER	VARCHAR2	6		-:		1	-	-

2.	Task: Add column that will satisfy the dients requirements  ALTER TABLE customers ADDmobile_phone_number VARCHAR(11);
3.	Run the DESCRIBE command on the customers table to view its structure
	DESCRIBE Customers's



Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMERS	CTR_NUMBER	VARCHAR2	6	14-1	-	1	-	-	2-
	EMAIL	VARCHAR2	50	~	*	2)	*	**	-
	FIRST_NAME	VARCHAR2	20	N#1	**	*	-	*	-
	LAST_NAME	VARCHAR2	30	5	**	#	=	#	運
	PHONE_NUMBER	VARCHAR2	11	170	4	-,	-	+.	. <del>□</del> .
	CURRENT_BALANCE	NUMBER	+.	6	2	-		*:	ST.
	SRE_ID	VARCHAR2	4	( <b>+</b> )	100	(-)	\$	-	( <b>-</b> )
	TEM_ID	VARCHAR2	4		3.5		\$		-
	LOYALTY_CARD_NUMBER	VARCHAR2	6	=		-	\$	. <del></del>	i e
	MOBILE_PHONE_NUMBER	VARCHAR2	11	-	-		<b></b>	*	in the second



Dropping a column

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

DESCRIBE customers;



Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMERS	CTR_NUMBER	VARCHAR2	6	14-1	-	1	-	-	2-
	EMAIL	VARCHAR2	50	~	*	2)	*	**	-
	FIRST_NAME	VARCHAR2	20	N#1	**	*	-	*	-
	LAST_NAME	VARCHAR2	30	5	**	#	=	#	運
	PHONE_NUMBER	VARCHAR2	11	170	4	-,	-	+.	. <del>□</del> .
	CURRENT_BALANCE	NUMBER	+.	6	2	-		*:	ST.
	SRE_ID	VARCHAR2	4	( <b>+</b> )	100	(-)	\$	-	( <b>-</b> )
	TEM_ID	VARCHAR2	4		3.5		\$		-
	LOYALTY_CARD_NUMBER	VARCHAR2	6	=		-	\$	. <del></del>	i e
	MOBILE_PHONE_NUMBER	VARCHAR2	11	-	-		<b></b>	*	in the second



- 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	-	20	1			121
	EMAIL	VARCHAR2	50	9	÷.	-	-		9
	FIRST_NAME	VARCHAR2	20						
	LAST_NAME	VARCHAR2	30	-		-	-	-	
	PHONE_NUMBER	VARCHAR2	11	-	( <del>-</del> )	-	-	-	
	CURRENT_BALANCE	NUMBER	-	6	2	-	F .	-	i.e.i
	SRE_ID	VARCHAR2	4	-	257	-	\$	v v	100
	TEM_ID	VARCHAR2	4	-	-	-	\$	-	: <del>-</del> :
	LOYALTY_CARD_NUMBER	VARCHAR2	6				1	â.	