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B23CS007
LAB 1 (DDL)
Lab DDL SQL 1

& Part 1:

1. 10 TABLE created.
2. 6 columns.
3. NOT NULL
4. ctr_number
5. Lowest :- 99
Highest : 99
6. Lowest :- 9999999.99
Highest : 9999999.99
7. itm_number,
start_date,
start_time.

Part 2.

Modify a column.

1. DESC order;
2. ALTER TABLE orders
MODIFY odr_date DEFAULT SYSDATE;
3. DESC order;

Adding a check constraint

1. DESC customers;
2. ALTER TABLE customers
ADD CONSTRAINT chk_balance_non-negative
CHECK (current_balance >= 0);
3. DESC customers;

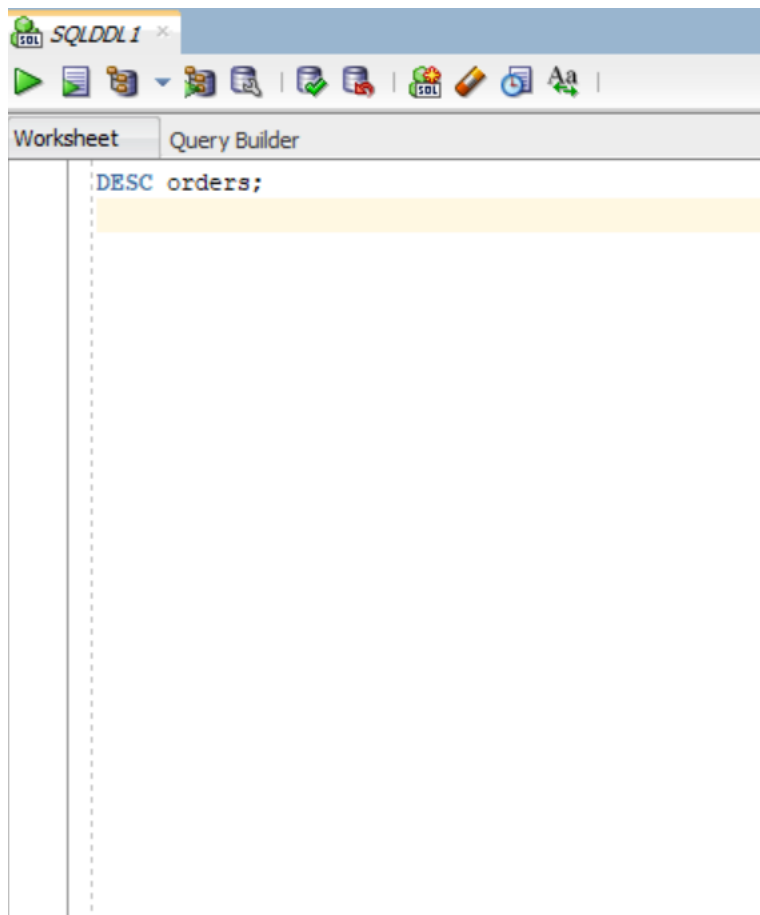
Adding a column.

1. DESC customers;
2. ALTER TABLE CUSTOMERS
ADD mobile_phone varchar2(11);
3. DESC customers;

Drop a column.

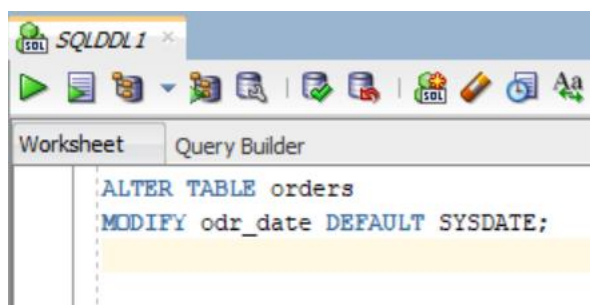
1. DESC customers;
2. ALTER TABLE customer;
DROP mobile_phone;
3. DESC customers;

Modify a column.













The 'Script Output' window displays the results of the query. It shows a table with three columns: Name, Null?, and Type. The results are as follows:

Name	Null?	Type
ID	NOT NULL	VARCHAR2(9)
ODR_DATE	NOT NULL	DATE
ODR_TIME	NOT NULL	DATE
NUMBER_OF_UNITS	NOT NULL	NUMBER(2)
CTR_NUMBER	NOT NULL	VARCHAR2(6)



SQLDDL 1













Worksheet

Query Builder

DESC ORDERS;

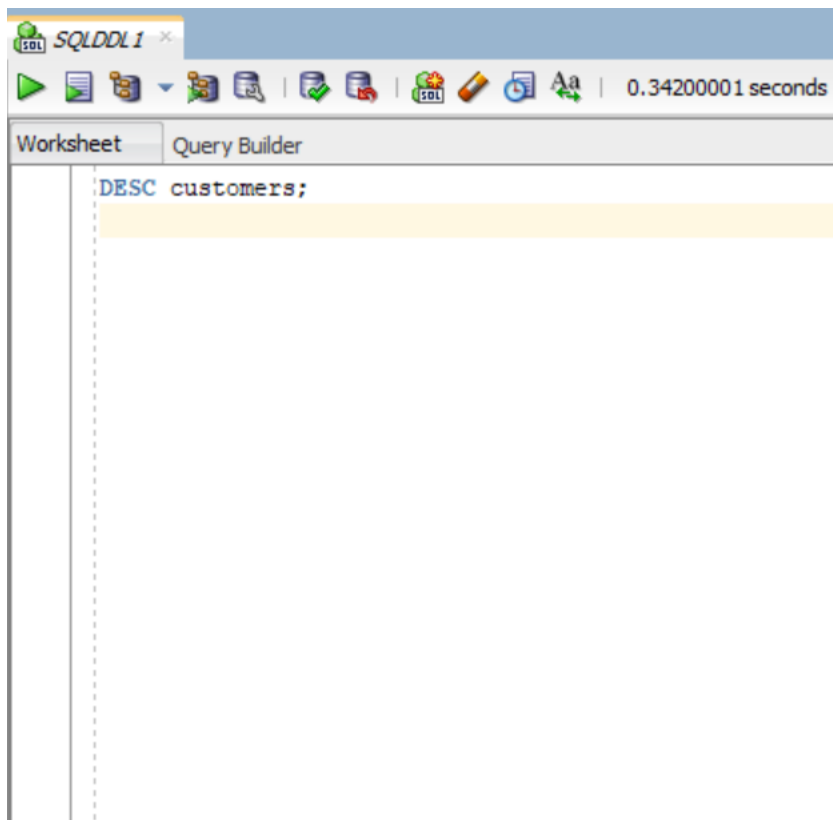
Script Output x



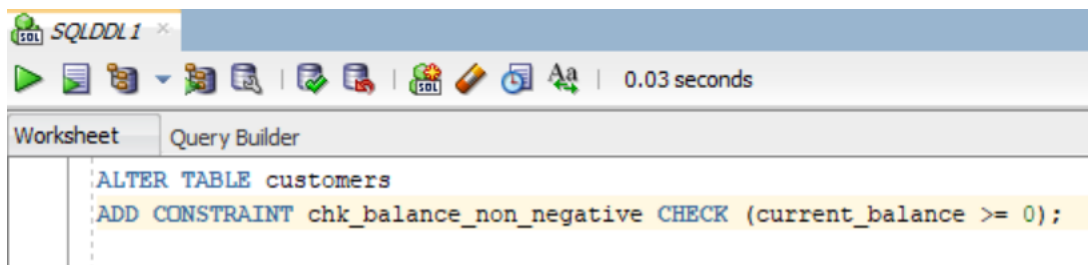
Task completed in 0.047 seconds

Name	Null?	Type
CTR_NUMBER	NOT NULL	VARCHAR2(6)
ID	NOT NULL	VARCHAR2(9)
ODR_DATE	NOT NULL	DATE
ODR_TIME	NOT NULL	DATE
NUMBER_OF_UNITS	NOT NULL	NUMBER(2)
CTR_NUMBER	NOT NULL	VARCHAR2(6)

Adding a check constraint.

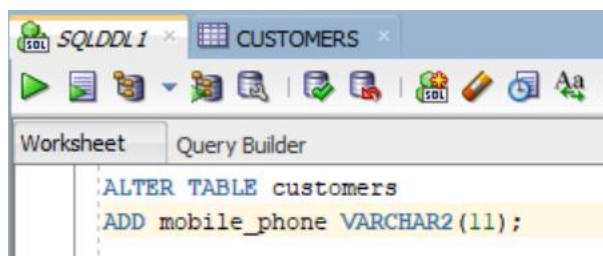
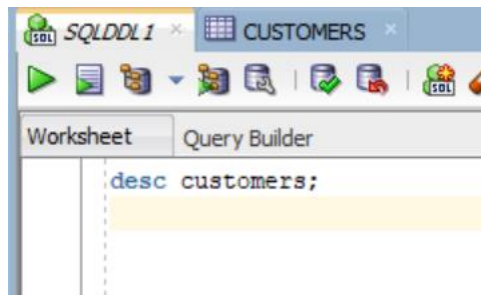


Name	Null?	Type
CTR_NUMBER	NOT NULL	VARCHAR2(6)
EMAIL	NOT NULL	VARCHAR2(50)
FIRST_NAME	NOT NULL	VARCHAR2(20)
LAST_NAME	NOT NULL	VARCHAR2(30)
PHONE_NUMBER	NOT NULL	VARCHAR2(11)
CURRENT_BALANCE	NOT NULL	NUMBER(6,2)
SRE_ID		VARCHAR2(4)
TEM_ID		VARCHAR2(4)
LOYALTY_CARD_NUMBER		VARCHAR2(6)



SQLDDL1 - CUSTOMERS									
Columns Data Model Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions Indexes SQL									
CONSTRAINT_NAME	CONSTRAINT_TYPE	SEARCH_CONDITION	R_OWNER	R_TABLE_NAME	R_CONSTRAINT_NAME	DELETE_RULE	STATUS	DEFERRABLE	VALIDATOR
1 CHK_BALANCE_NON_NEGATIVE	Check	current_balance >= 0	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALID
2 CTR_EMAIL_UK	Unique	(null)	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALID
3 CTR_LCN_UK	Unique	(null)	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALID
4 CUSTOMER_FK	Primary_Key	(null)	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALID
5 CUSTOMER_SALES_REP_FK	Foreign_Key	(null)	SYSTEM	SALES_REPRESENTATIVES	SALES_REPRESENTATIVE_FK	NO ACTION	ENABLED	NOT DEFERRABLE	VALID
6 CUSTOMER_TEAM_FK	Foreign_Key	(null)	SYSTEM	TEAMS	TEAM_FK	NO ACTION	ENABLED	NOT DEFERRABLE	VALID
7 SYS_C008249	Check	"CTR_NUMBER" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALID
8 SYS_C008250	Check	"EMAIL" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALID
9 SYS_C008251	Check	"FIRST_NAME" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALID
10 SYS_C008252	Check	"LAST_NAME" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALID
11 SYS_C008253	Check	"PHONE_NUMBER" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALID
12 SYS_C008254	Check	"CURRENT_BALANCE" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALID

Adding a column.



SQLDDL 1 x CUSTOMERS x

0.017 seconds

Worksheet Query Builder

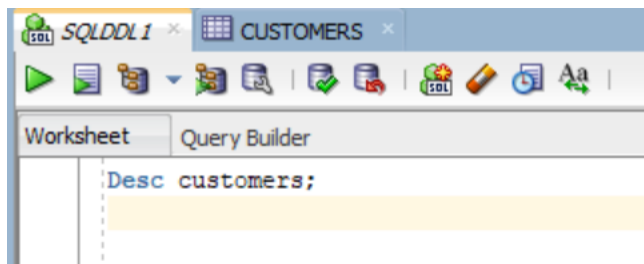
Desc customers;

Script Output x

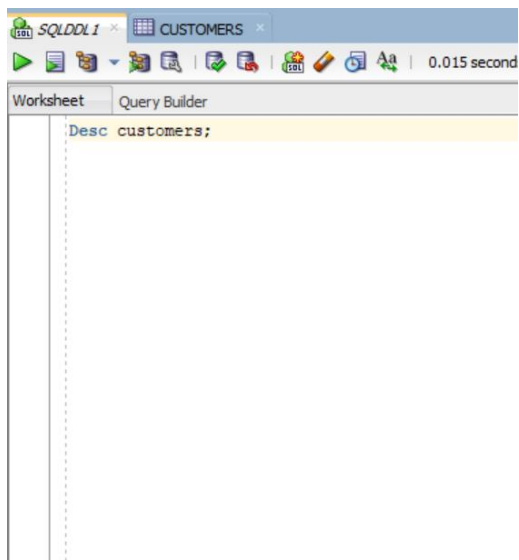
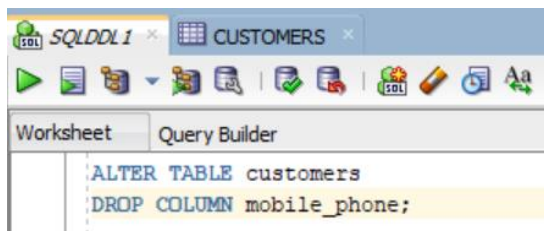
Task completed in 0.017 seconds

CTR_NUMBER	NOT NULL VARCHAR2(6)
EMAIL	NOT NULL VARCHAR2(50)
FIRST_NAME	NOT NULL VARCHAR2(20)
LAST_NAME	NOT NULL VARCHAR2(30)
PHONE_NUMBER	NOT NULL VARCHAR2(11)
CURRENT_BALANCE	NOT NULL NUMBER(6,2)
SRE_ID	VARCHAR2(4)
TEM_ID	VARCHAR2(4)
LOYALTY_CARD_NUMBER	VARCHAR2(6)
MOBILE_PHONE	VARCHAR2(11)

Dropping a column.



Name	Null?	Type
CTR_NUMBER	NOT NULL	VARCHAR2(6)
EMAIL	NOT NULL	VARCHAR2(50)
FIRST_NAME	NOT NULL	VARCHAR2(20)
LAST_NAME	NOT NULL	VARCHAR2(30)
PHONE_NUMBER	NOT NULL	VARCHAR2(11)
CURRENT_BALANCE	NOT NULL	NUMBER(6,2)
SRE_ID		VARCHAR2(4)
TEM_ID		VARCHAR2(4)
LOYALTY_CARD_NUMBER		VARCHAR2(6)
MOBILE_PHONE		VARCHAR2(11)



Script Output x

Task completed in 0.015 seconds

Name	Null?	Type
CTR_NUMBER	NOT NULL	VARCHAR2(6)
EMAIL	NOT NULL	VARCHAR2(50)
FIRST_NAME	NOT NULL	VARCHAR2(20)
LAST_NAME	NOT NULL	VARCHAR2(30)
PHONE_NUMBER	NOT NULL	VARCHAR2(11)
CURRENT_BALANCE	NOT NULL	NUMBER(6,2)
SRE_ID		VARCHAR2(4)
TEM_ID		VARCHAR2(4)
LOYALTY_CARD_NUMBER		VARCHAR2(6)