

Tengku Niman A22EC0283

## PART 1

1. 10 tables
2. 6 columns
3. NOT NULL
4. ctr\_number
5. Lowest = -99, Highest = 99
6. Lowest = -9,9999.99, Highest = 9,9999.99
7. itm\_number, start\_date, start\_time



## PART 2

### Modify

1. DESCRIBE orders;
2. ALTER TABLE orders  
MODIFY odr-date DATE DEFAULT SYSDATE
3. DESCRIBE orders

### Adding check constraint

1. DESCRIBE customers;
2. ALTER TABLE customers;  
ADD CONSTRAINT current\_balance\_min CHECK (current\_balance >= 0);
3. DESCRIBE customers;

4.

CONSTRAINT_NAME	CONSTRAINT_TYPE	SEARCH_CONDITION	R_OWNER	R_TABLE_NAME	R_CONSTRAINT_NAME	DELETE_RULE	STATUS	DEFERRABLE	VALIDATED	GENERATED
1 CTR_EMAIL_UK	Unique	(null)	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	USER NAME
2 CTR_LCN_UK	Unique	(null)	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	USER NAME
3 CURRENT_BALANCE_MIN	Check	current_balance >= 0	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	USER NAME
4 CUSTOMER_PK	Primary_Key	(null)	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	USER NAME
5 SYS_C008307	Check	"CTR_NUMBER" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NA
6 SYS_C008308	Check	"EMAIL" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NA
7 SYS_C008309	Check	"FIRST_NAME" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NA
8 SYS_C008310	Check	"LAST_NAME" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NA
9 SYS_C008311	Check	"PHONE_NUMBER" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NA
10 SYS_C008312	Check	"CURRENT_BALANCE" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NA

### Adding a column

1. DESCRIBE customers
2. ALTER TABLE customers  
ADD mobile\_phone NUMBER(11);
3. DESCRIBE customers

# Dropping Column

1. DESCRIBE customers
2. ALTER TABLE customers  
DROP (mobile\_number)
3. DESCRIBE customers.

