Part 1

1. There are ten tables

2. 6 coloumns

3. not null

4. ctr_number

5. lowest = 0
   highest = 99

6. lowest = -9999.99
   highest = 9999.99

7. itm_number, start_date, start time

Part 2

Modifying coloumn

1. Describe orders

2. ALTER TABLE orders

   MODIFY odr_date DATE DEFAULT SYSDATE

3. DESCRIBE orders

```
CURRENT_BALANCE      NOT NULL NUMBER(6,2
SRE_ID                        VARCHAR2(4
TEM_ID                        VARCHAR2(4
LOYALTY_CARD_NUMBER           VARCHAR2(6
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)
```

adding a 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	BAD	RELY	LAST_
1	CTR_EMAIL_UK	Unique	(null)	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	USER NAME	(null)	(null)	01/11/
2	CTR_LCN_UK	Unique	(null)	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	USER NAME	(null)	(null)	01/11/
3	CURRENT_BALANCE_MIN	Check	current_balance >= 0	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	USER NAME	(null)	(null)	01/11/
4	CUSTOMER_PK	Primary_Key	(null)	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	USER NAME	(null)	(null)	01/11/
5	SYS_C008261	Check	"CTR_NUMBER" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NAME	(null)	(null)	01/11/
6	SYS_C008262	Check	"EMAIL" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NAME	(null)	(null)	01/11/
7	SYS_C008263	Check	"FIRST_NAME" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NAME	(null)	(null)	01/11/
8	SYS_C008264	Check	"LAST_NAME" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NAME	(null)	(null)	01/11/
9	SYS_C008265	Check	"PHONE_NUMBER" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NAME	(null)	(null)	01/11/
10	SYS_C008266	Check	"CURRENT_BALANCE" IS NOT NULL	(null)	(null)	(null)	(null)	ENABLED	NOT DEFERRABLE	VALIDATED	GENERATED NAME	(null)	(null)	01/11/

Adding a column

1. DESCRIBE customers

2. ALTER TABLE customers

   ADD phone_number VARCHAR2 (11);

3. DESCRIBE customers

```
--------------------  --------  ------------
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)
PHONE_NUMBER_NEW               VARCHAR2(11)
```

Dropping a column

1. DESCRIBE customer

2. ALTER TABLE customers

   DROP COLUMN phone_number_new;

3. DESCRIBE customers

```
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)
```