ORACLE PROJECT

1. انشاء جدول المخزن بالحقول: رقم المنتج – اسم المنتج – الكمية المتوفرة – سعر القطعة الواحدة
2. انشاء جدول الطلبيات بالحقول: رقم الطلبية – اسم الزبون –)الحقول من one الى ten تعبر عن كمية المواد المطلوبة من كل مادة(– كمية المواد المطلوبة كاملة – السعر الكامل – تاريخ الطلبية
3. انشاء SEQUENCE يقوم بإدخال السجلات الى جدول الstore
4. انشاء TRIGGER يقوم بتعديل الكمية المتوفرة من كل مادة في جدول ال store بعد كل ادخال أو تعديل في جدول ال orders
5. انشاء SEQUENCE يقوم بإدخال السجلات الى جدول ال orders
6. انشاء curser يقوم بجلب أسماء المنتجات وأرقامها وسعر القطعة الواحدة من جدول الstore بحيث أن سعر القطعة يكون أكبر من 9
7. انشاء view يعيد أسماء المنتجات مع أرقامها وأسعارها
8. انشاء view يعيد كل الطلبيات مع تاريخها التي تعود للزبون الذي اسمه Ahmad

ملاحظة:

يجب تنفيذ الكود خطوة خطوة وخاصة عند الادخال عن طريق ال SEQUENCE

```
CREATE TABLE store (prod_num NUMBER PRIMARY KEY ,
prod_name VARCHAR2(50) , available_quan NUMBER ,
price_1pice FLOAT);


CREATE TABLE orders (order_num NUMBER PRIMARY KEY
, customer_name VARCHAR2(50) , one NUMBER , tow
NUMBER , three NUMBER , four NUMBER , five
NUMBER , six NUMBER , seven NUMBER , eight NUMBER
, nine NUMBER , ten NUMBER , number_of_prod
NUMBER , over_all_price FLOAT , order_date DATE);



CREATE SEQUENCE S1

START WITH 1

INCREMENT BY 1

MINVALUE 1
```

```
MAXVALUE 10 ;


INSERT INTO store VALUES (S1.NEXTVAL,'sugar',10000,2);
INSERT INTO store VALUES (S1.NEXTVAL,'rice',10000,3);
INSERT INTO store VALUES (S1.NEXTVAL,'oil',20000,5);
INSERT INTO store VALUES (S1.NEXTVAL,'meat',1000,10);
INSERT INTO store VALUES (S1.NEXTVAL,'tea',5000,7);
INSERT INTO store VALUES (S1.NEXTVAL,'flour',7000,2);
INSERT INTO store VALUES (S1.NEXTVAL,'butter',1000,6);
INSERT INTO store VALUES (S1.NEXTVAL,'salt',7000,1);
INSERT INTO store VALUES (S1.NEXTVAL,'eggs',3000,1);
INSERT INTO store VALUES
(S1.NEXTVAL,'tissue',10000,2);



CREATE OR REPLACE TRIGGER TR1
AFTER insert or update
ON orders
```

```
FOR EACH ROW

Declare

O1 NUMBER; S1 NUMBER;

O2 NUMBER; S2 NUMBER;

O3 NUMBER; S3 NUMBER;

O4 NUMBER; S4 NUMBER;

O5 NUMBER; S5 NUMBER;

O6 NUMBER; S6 NUMBER;

O7 NUMBER; S7 NUMBER;

O8 NUMBER; S8 NUMBER;

O9 NUMBER; S9 NUMBER;

O10 NUMBER; S10 NUMBER;

BEGIN

O1 := :new.one ; select available_quan into S1
from store WHERE prod_num =1 ;

UPDATE store SET available_quan = (O1 - S1) WHERE
prod_num =1;
```

```
O2 := :new.tow ; select available_quan into S2
from store WHERE prod_num =2 ;

UPDATE store SET available_quan = (O2 - S2) WHERE
prod_num =2;


O3 := :new.three ; select available_quan into S3
from store WHERE prod_num =3 ;

UPDATE store SET available_quan = (O3 - S3) WHERE
prod_num =3;


O4 := :new.four ; select available_quan into S4
from store WHERE prod_num =4 ;

UPDATE store SET available_quan = (O4 - S4) WHERE
prod_num =4;


O5 := :new.five ; select available_quan into S5
from store WHERE prod_num =5 ;

UPDATE store SET available_quan = (O5 - S5) WHERE
prod_num =5;
```

```
O6 := :new.six ;
select available_quan into S6 from store WHERE
prod_num =6 ;
UPDATE store SET available_quan = (O6 - S6) WHERE
prod_num =6;

O7 := :new.seven ; select available_quan into S7
from store WHERE prod_num =7 ;
UPDATE store SET available_quan = (O7 - S7) WHERE
prod_num =7;

O8 := :new.eight ; select available_quan into S8
from store WHERE prod_num =8 ;
UPDATE store SET available_quan = (O8 - S8) WHERE
prod_num =8;

O9 := :new.nine ; select available_quan into S9
from store WHERE prod_num =9 ;
UPDATE store SET available_quan = (O9 - S9) WHERE
prod_num =9;
```

```
O10 := :new.ten ; select available_quan into S10
from store WHERE prod_num =10 ;

UPDATE store SET available_quan = (O10 - S10) WHERE
prod_num =10;


END;
```

```
CREATE SEQUENCE S2

START WITH 1

INCREMENT BY 1

MINVALUE 1

MAXVALUE 10 ;
```

```
INSERT INTO orders VALUES
(S2.NEXTVAL,'Ahmad',2,3,1,3,4,5,3,2,5,3,31,200,'05-
032022');

INSERT INTO orders VALUES
(S2.NEXTVAL,'Ali',4,3,2,5,3,6,7,4,3,2,39,175,'07-032022');

INSERT INTO orders VALUES
(S2.NEXTVAL,'Mohamed',5,6,3,4,6,8,6,4,5,10,57,330,'090
3-2022');

INSERT INTO orders VALUES
(S2.NEXTVAL,'Hassan',10,2,5,4,7,6,5,2,8,5,54,280,'01-
042022');

INSERT INTO orders VALUES
(S2.NEXTVAL,'Maya',4,5,2,7,23,1,3,4,7,4,60,400,'01-
042022');

INSERT INTO orders VALUES
(S2.NEXTVAL,'Ahmad',9,7,5,3,2,5,7,3,5,7,53,300,'04-
042022');

INSERT INTO orders VALUES
(S2.NEXTVAL,'Hassan',10,2,5,4,7,6,5,2,8,5,54,280,'10-
042022');
```

```
INSERT INTO orders VALUES
(S2.NEXTVAL,'Mari',4,3,2,5,3,6,7,4,3,2,39,175,'11-
042022');

INSERT INTO orders VALUES
(S2.NEXTVAL,'Ali',2,3,1,3,4,5,3,2,5,3,31,200,'11-042022');

INSERT INTO orders VALUES
(S2.NEXTVAL,'Ahmad',5,6,3,4,6,8,6,4,5,10,57,330,'01-
052022');



declare p_name

store.prod_name%type ; p_num

store.prod_num%type ; p_price

store.price_1pice%type ; begin

select

prod_name,prod_num,price_1pi

ce into p_name ,p_num,p_price

from store WHERE price_1pice >

9 ; dbms_output.put_line

(p_name ||' '||p_num ||'
```

'||p_price); end

```
CREATE OR REPLACE VIEW v_store AS
SELECT prod_name,prod_num,price_1pice
FROM store;
```

```
CREATE OR REPLACE VIEW v_orders AS
SELECT *
FROM orders WHERE  customer_name = 'Ahmad';
```