```
SET SERVEROUTPUT ON;
SET ECHO ON;

DROP TABLE customer;
DROP TABLE pizza;
DROP TABLE orders;
DROP TABLE order_list;

CREATE TABLE customer(
  cust_id varchar2(5),
  cust_name varchar2(10),
  address varchar2(30),
  phone number(10),
CONSTRAINT cust_pk PRIMARY KEY(cust_id)
);

CREATE TABLE pizza(
        pizza_id varchar2(5),
        pizza_type varchar2(10),
        unit_price number(5),
CONSTRAINT pizza_pk PRIMARY KEY(pizza_id)
);

CREATE TABLE orders(
        order_no varchar2(5),
        cust_id varchar2(5),
        order_date date,
        delv_date date,
CONSTRAINT order_pk PRIMARY KEY(order_no)
);

CREATE TABLE order_list(
        order_no varchar2(5),
        pizza_id varchar2(5),
        qty number(5),
CONSTRAINT list_pk PRIMARY KEY(order_no, pizza_id)
);

@d:/Pizza_DB.sql
```

```
SELECT * FROM customer;
SELECT * FROM pizza;
SELECT * FROM orders;
SELECT * FROM order_list;

REM: 1. Check whether the given pizza type is available.
REM: If not display appropriate message.

DECLARE
ptype pizza.pizza_type%type;
c NUMBER;

BEGIN
ptype:='&pizza_type';

SELECT COUNT(*)
INTO c
FROM pizza
WHERE pizza_type=ptype;

IF c=0 THEN
    dbms_output.put_line(ptype||' IS NOT AVALIABLE');
ELSE
    dbms_output.put_line(ptype||' IS AVAILABLE');
END IF;

END;
/


REM: 2. For the given customer name and a range of order date, find whether
REM: a customer had placed any order, if so display the number of orders placed by
REM: the customer along with the order number(s).

DECLARE
cname customer.cust_name%type;
cid customer.cust_id%type;
startdate DATE;
enddate DATE;
orderno orders.order_no%type;
cur sys_refcursor ;
c NUMBER(5);

BEGIN
c:=0;
cname:='&cust_name';
startdate:='&start_date';
enddate:='&end_date';
```

```
SELECT cust_id INTO cid FROM customer
WHERE cust_name=cname;
dbms_output.put_line('Orders placed by '||cname);

OPEN cur FOR SELECT order_no FROM orders
WHERE cust_id=cid AND order_date BETWEEN startdate AND enddate;

LOOP
   FETCH cur INTO orderno;
   EXIT WHEN cur%notfound;
   c:=c+1;
   dbms_output.put_line(orderno);
END LOOP;
CLOSE cur;
dbms_output.put_line('Number of orders placed by '||cname||' = '||c);
END;
/


REM: 3. Display the customer name along with the details of pizza type and
REM: its quantity ordered for the given order number. Also find the total
REM: quantity ordered for the given order number.

DECLARE
oid orders.order_no%type;
cname customer.cust_name%type;
ptype pizza.pizza_type%type;
qty order_list.qty%type;
cur sys_refcursor ;
totqty NUMBER(5);

BEGIN
totqty:=0;
oid:='&order_id';

SELECT cust_name INTO cname FROM customer c, orders o
WHERE o.cust_id=c.cust_id AND order_no=oid;
dbms_output.put_line('Customer name: '||cname);
dbms_output.put_line('Ordered Following Pizza');
dbms_output.put_line('PIZZA TYPE    QTY');

OPEN cur FOR SELECT pizza_type, qty FROM pizza p, order_list ol
WHERE p.pizza_id=ol.pizza_id AND order_no=oid;

LOOP
   FETCH cur INTO ptype, qty;
   EXIT WHEN cur%notfound;
   totqty:=totqty+qty;
```

```
       dbms_output.put_line(ptype||'        '||qty);
END LOOP;

CLOSE cur;
dbms_output.put_line('--------------------');
dbms_output.put_line('Total Qty: '||totqty);
dbms_output.put_line('--------------------');
END;
/
```

REM: 4. Display the total number of orders that contains one pizza type, two
REM: pizza type and so on.

```
DECLARE
cur sys_refcursor;
num NUMBER;
count1 NUMBER;
count2 NUMBER;
count3 NUMBER;
count4 NUMBER;

BEGIN
count1:=0;
count2:=0;
count3:=0;
count4:=0;

OPEN cur FOR SELECT count(*) FROM order_list group by order_no;
LOOP
   FETCH cur INTO num;
   EXIT WHEN cur%notfound;
   IF num=1 THEN
      count1:=count1+1;
   ELSIF num=2 THEN
      count2:=count2+1;
   ELSIF num=3 THEN
      count3:=count3+1;
   ELSIF num=4 THEN
      count4:=count4+1;
   END IF;
END LOOP;

CLOSE cur;

dbms_output.put_line('-----------------------------');
dbms_output.put_line('Number of orders that contains');
dbms_output.put_line('Only one pizza type : '||count1);
```

```
dbms_output.put_line('Two pizza type      : '||count2);
dbms_output.put_line('Three pizza type    : '||count3);
dbms_output.put_line('All pizza type      : '||count4);
dbms_output.put_line('-----------------------------');
END;
/
```

REM: *************

REM: LAKSHMI PRIYA B

REM: 185001083

REM: *************