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SQL> @ C:\Users\Harshini\Downloads\Pizza.sql

SQL> drop table order_list;

Table dropped.

SQL> drop table orders;

Table dropped.

SQL> drop table pizza;

Table dropped.

SQL> drop table customer;

Table dropped.

SQL>

SQL> create table customer(

```
2      cust_id varchar2(5) constraint pk1 primary key,
3      cust_name varchar2(20),
4      address varchar2(40),
5      phone number(10));
```

Table created.

SQL>

SQL> create table pizza(

```
2      pizza_id varchar2(5) constraint pizza_pk primary key,
3      pizza_type varchar2(20),
4      unit_price number(5));
```

Table created.

SQL>

SQL> create table orders(

```
2      order_no varchar2(5) constraint o_pk primary key,
3      cust_id varchar2(5) constraint cust_fk references customer(cust_id),
4      order_date date,
5      delv_date date,
6      total_amt number(4),
7      discount number(2),
```

8 bill_amt number(4));

Table created.

SQL>

SQL>

```
SQL> create table order_list(
2     order_no varchar2(5) constraint ord_fk references orders(order_no),
3     pizza_id varchar2(4) constraint p_fk references pizza(pizza_id),
4     qty number(2),
5     constraint or_cpk primary key (order_no,pizza_id));
```

Table created.

SQL>

SQL>

```
SQL> REM -----
>
```

```
SQL> REM customer(cust_id, cust_name,address,phone)
```

SQL>

```
SQL> insert into customer values('c001','Hari','32 RING ROAD,ALWARPET',9001200031);
```

1 row created.

```
SQL> insert into customer values('c002','Ashok','42 bull ROAD,numgambakkam',9444120003);
```

1 row created.

```
SQL> insert into customer values('c003','Raj','12a RING ROAD,ALWARPET',9840112003);
```

1 row created.

```
SQL> insert into customer values('c004','Raghu','P.H ROAD,Annanagar',9845712993);
```

1 row created.

```
SQL> insert into customer values('c005','Sindhu','100 feet ROAD,vadapalani',9840166677);
```

1 row created.

```
SQL> insert into customer values('c006','Brinda','GST ROAD, TAMBARAM', 9876543210);
```

1 row created.

```
SQL>
SQL>
SQL>
SQL> REM pizza (pizza_id, pizza_type, unit_price)
SQL>
SQL> insert into pizza values('p001','pan',130);
```

1 row created.

```
SQL> insert into pizza values('p002','grilled',230);
```

1 row created.

```
SQL> insert into pizza values('p003','italian',200);
```

1 row created.

```
SQL> insert into pizza values('p004','spanish',260);
```

1 row created.

```
SQL>
SQL> REM insert into pizza values('p005','supremo',250);
SQL>
SQL>
SQL>
SQL> REM orders(order_no, cust_id, order_date ,delv_date)
SQL> rem ORDERS (order_no, cust_id, order_date ,delv_date, total_amt, discount, bill_amt)
SQL>
SQL> insert into orders values('OP100','c001','28-JUN-2015','30-JUN-2015',null,null,null);
```

1 row created.

```
SQL> insert into orders values('OP200','c002','28-JUN-2015','30-JUN-2015',null,null,null);
```

1 row created.

```
SQL> insert into orders values('OP300','c003','29-JUN-2015','01-JUL-2015',null,null,null);
```

1 row created.

```
SQL> insert into orders values('OP400','c004','29-JUN-2015','01-JUL-2015',null,null,null);
```

1 row created.

```
SQL> insert into orders values('OP500','c001','29-JUN-2015','01-JUL-2015',null,null,null);
```

1 row created.

```
SQL> insert into orders values('OP600','c002','29-JUN-2015','01-JUL-2015',null,null,null);
```

1 row created.

```
SQL>
```

```
SQL>
```

```
SQL>
```

```
SQL> REM order_list(order_no, pizza_id, qty)
```

```
SQL>
```

```
SQL> insert into order_list values('OP100','p001',3);
```

1 row created.

```
SQL> insert into order_list values('OP100','p002',2);
```

1 row created.

```
SQL> insert into order_list values('OP100','p003',1);
```

1 row created.

```
SQL> insert into order_list values('OP100','p004',5);
```

1 row created.

```
SQL>
```

```
SQL> insert into order_list values('OP200','p003',2);
```

1 row created.

```
SQL> insert into order_list values('OP200','p001',6);
```

1 row created.

```
SQL> insert into order_list values('OP200','p004',8);
```

1 row created.

SQL>

SQL> insert into order_list values('OP300','p003',3);

1 row created.

SQL>

SQL> insert into order_list values('OP400','p001',3);

1 row created.

SQL> insert into order_list values('OP400','p004',1);

1 row created.

SQL>

SQL> insert into order_list values('OP500','p003',6);

1 row created.

SQL> insert into order_list values('OP500','p004',5);

1 row created.

SQL> insert into order_list values('OP500','p001',null);

1 row created.

SQL>

SQL> insert into order_list values('OP600','p002',3);

1 row created.

SQL>

SQL> --*****

SQL> -- 1. Write a stored function to display the total number of pizza's ordered by the given

SQL> -- order number.

SQL> create or replace function total_pizza(ord_no in orders.order_no%type) return int is

2 tot number(2);

3 n order_list.qty%type;

4 cursor c is select qty from order_list where order_no=ord_no;

5 BEGIN

```

6   open c;
7   tot:=0;
8   loop
9       fetch c into n;
10      exit when c%notfound;
11      tot:=tot+n;
12  end loop;
13  close c;
14  return tot;
15 END;
16 /

```

Function created.

```

SQL> DECLARE
2   t number(2);
3 BEGIN
4   t:=total_pizza('&ord_no');
5   dbms_output.put_line('Total no of pizzas : ' || t);
6 END;
7 /

```

Enter value for ord_no: OP100

old 4: t:=total_pizza('&ord_no');

new 4: t:=total_pizza('OP100');

Total no of pizzas : 11

PL/SQL procedure successfully completed.

```
SQL> /
```

Enter value for ord_no: OP200

old 4: t:=total_pizza('&ord_no');

new 4: t:=total_pizza('OP200');

Total no of pizzas : 16

PL/SQL procedure successfully completed.

```
SQL> select * from orders;
```

ORDER	CUST_	ORDER_DAT	DELV_DATE	TOTAL_AMT	DISCOUNT	BILL_AMT
-------	-------	-----------	-----------	-----------	----------	----------

OP100	c001	28-JUN-15	30-JUN-15			
-------	------	-----------	-----------	--	--	--

OP200	c002	28-JUN-15	30-JUN-15			
-------	------	-----------	-----------	--	--	--

OP300	c003	29-JUN-15	01-JUL-15			
-------	------	-----------	-----------	--	--	--

OP400 c004 29-JUN-15 01-JUL-15
OP500 c001 29-JUN-15 01-JUL-15
OP600 c002 29-JUN-15 01-JUL-15

6 rows selected.

SQL> -- 2. Write a PL/SQL block to calculate the total amount, discount and billable amount

SQL> create or replace procedure update_orders is

```
2 cursor c is select ord,sum(calc) price from
3   (select order_list.order_no ord,(order_list.qty*pizza.unit_price) calc from
4     order_list,pizza where pizza.pizza_id=order_list.pizza_id) group by ord;
5 o_no order_list.order_no%type;
6 d orders.discount%type;
7 bill orders.bill_amt%type;
8 bl orders.bill_amt%type;
9 pr pizza.unit_price%type;
10 BEGIN
11   open c;
12   loop
13     fetch c into o_no,pr;
14     exit when c%notfound;
15     update orders set total_amt=pr where order_no=o_no;
16     if (pr between 2000 and 5000) then
17       update orders set discount=5 where order_no=o_no;
18       d:=5;
19     elsif (pr between 5000 and 10000) then
20       update orders set discount=10 where order_no=o_no;
21       d:=10;
22     elsif (pr>10000) then
23       update orders set discount=20 where order_no=o_no;
24       d:=20;
25     else
26       update orders set discount=0 where order_no=o_no;
27       d:=0;
28     end if;
29     bill:=(d*pr)/100;
30     bl:=pr-bill;
31     update orders set bill_amt=bl where order_no=o_no;
32   end loop;
33   close c;
34 END;
35 /
```

Procedure created.

SQL> call update_orders();

Call completed.

SQL> select * from orders;

ORDER	CUST_	ORDER_DAT	DELV_DATE	TOTAL_AMT	DISCOUNT	BILL_AMT
OP100	c001	28-JUN-15	30-JUN-15	2350	5	2232
OP200	c002	28-JUN-15	30-JUN-15	3260	5	3097
OP300	c003	29-JUN-15	01-JUL-15	600	0	600
OP400	c004	29-JUN-15	01-JUL-15	650	0	650
OP500	c001	29-JUN-15	01-JUL-15	2500	5	2375
OP600	c002	29-JUN-15	01-JUL-15	690	0	690

6 rows selected.

SQL> -- 3.For the given order number, write a PL/SQL block to print the order

SQL> create or replace procedure print_orders(o_no in orders.order_no%type) is

```
2 n customer.cust_name%type;
3 ph customer.phone%type;
4 d orders.order_date%type;
5 cursor c is select customer.cust_name,customer.phone,orders.order_date from
6 customer,orders where customer.cust_id=orders.cust_id and orders.order_no=o_no;
7 cursor c1 is select total_amt,discount,bill_amt from orders where order_no=o_no;
8 cursor c2 is select pizza.pizza_type PizzaType,order_list.qty Qty,pizza.unit_price Price,
9             (order_list.qty*pizza.unit_price) Amount from
10             order_list,pizza where pizza.pizza_id=order_list.pizza_id and
11 order_list.order_no=o_no;
12 am orders.total_amt%type;
13 dis orders.discount%type;
14 b orders.bill_amt%type;
15 calc orders.total_amt%type;
16 ty pizza.pizza_type%type;
17 q order_list.qty%type;
18 py pizza.unit_price%type;
19 a orders.total_amt%type;
20 tr number(2);
21 BEGIN
22     dbms_output.put_line('*****');
23     open c;
```



```

24  fetch c into n,ph,d;
25  dbms_output.put_line('Order Number:'||o_no||'    Customer Name:'||n);
26  close c;
27  dbms_output.put_line('Order Date:'||d||'    Phone:'||ph);
28  dbms_output.put_line('*****');
29  dbms_output.put_line('S.No Pizza Type Qty Price Amount');
30  tr:=1;
31  open c2;
32  loop
33      fetch c2 into ty,q,py,a;
34      exit when c2%notfound;
35      dbms_output.put_line(tr||' '||ty||' '||q||' '||py||' '||a);
36      tr:=tr+1;
37  end loop;
38  close c2;
39  dbms_output.put_line('-----');
40  open c1;
41  fetch c1 into am,dis,b;
42  dbms_output.put_line('Total : ' || total_pizza(o_no)||' '||am);
43  dbms_output.put_line('-----');
44  dbms_output.put_line('Total Amount :Rs'||am);
45  calc:=(dis*am)/100;
46  dbms_output.put_line('Discount '||dis||' :'||calc);
47  dbms_output.put_line('-----');
48  dbms_output.put_line('Amount to be paid :Rs'||b);
49  dbms_output.put_line('-----');
50  dbms_output.put_line('Great offers ! Discount upto 25% on DIWALY Festival day...');
51  dbms_output.put_line('*****');
52  close c1;
53 END;
54 /

```

Procedure created.

```

SQL> call print_orders('&order_num');
Enter value for order_num: OP100
old 1: call print_orders('&order_num')
new 1: call print_orders('OP100')

```

```

Order Number:OP100    Customer Name:Hari
Order Date:28-JUN-15   Phone:9001200031

```

```

S.No Pizza Type Qty Price Amount

```

1	pan	3	130	390
2	grilled	2	230	460
3	italian	1	200	200
4	spanish	5	260	1300

Total : 11 2350

Total Amount :Rs2350
Discount 5 :118

Amount to be paid :Rs2232

Great offers ! Discount upto 25% on DIWALY Festival day...

Call completed.

SQL> call print_orders('&order_num');
Enter value for order_num: OP200
old 1: call print_orders('&order_num')
new 1: call print_orders('OP200')

Order Number:OP200 Customer Name:Ashok
Order Date:28-JUN-15 Phone:9444120003

S.No	Pizza Type	Qty	Price	Amount
1	pan	6	130	780
2	italian	2	200	400
3	spanish	8	260	2080

Total : 16 3260

Total Amount :Rs3260
Discount 5 :163

Amount to be paid :Rs3097

Great offers ! Discount upto 25% on DIWALY Festival day...

Call completed.

SQL> spool off

