**1.**

SQL> create table Customer

(Cust# varchar2(6),

Name char(24) not null,

Address char(50) not null,

Constraint Cust\_PK primary key(Cust#));

Table created.

SQL> create table Item

(Item# varchar2(6),

Description char(20),

Price number(6, 2) check (Price >= 0) not null,

Weight number(6, 2) check (Weight >=0) not null,

Constraint Item\_PK primary key(Item#));

Table created.

SQL> create table Payment

(P# varchar2(6),

PDate date,

Cust# varchar2(6),

Constraint P\_PK primary key(P#),

Constraint P\_Cust\_FK foreign key(Cust#) references Customer(Cust#)

on delete cascade);

Table created.

SQL> create table Invoice

(Inv# varchar2(6),

InvDate date,

Total number(6, 2) check (Total >= 0),

Cust# varchar2(6),

Constraint Inv\_PK primary key(Inv#),

Constraint Inv\_Cust\_FK foreign key(Cust#) references Customer(Cust#)

on delete cascade);

Table created.

SQL> create table Delivery

(D# varchar2(6),

DDate date,

Inv# varchar2(6),

Constraint D\_PK primary key (D#),

Constraint D\_Inv\_FK foreign key (Inv#) references Invoice(Inv#)

on delete cascade);

Table created.

SQL> create table Covers

(Amount number(6, 2) check (Amount >=0),

P# varchar2(6),

Inv# varchar2(6),

Constraint Covers\_P\_FK foreign key (P#) references Payment(P#) on delete cascade,

Constraint Covers\_Inv\_FK foreign key (Inv#) references Invoice(Inv#) on delete cascade);

Table created.

SQL> create table StandingOrder

(Order# varchar2(6),

StartDate date,

EndDate date,

Cust# varchar2(6) not null,

Item# varchar2(6) not null,

Constraint Order\_PK primary key (Order#),

Constraint Order\_Cust\_FK foreign key (Cust#) references Customer(Cust#) on delete cascade,

Constraint Order\_Item\_FK foreign key (Item#) references Item(Item#) on delete cascade);

Table created.

SQL> create table DeliveredQty

(Order# varchar2(6),

D# varchar2(6),

Quantity number(6) check (Quantity >=0),

Constraint DQty\_D\_FK foreign key (D#) references Delivery(D#) on delete cascade,

Constraint DQty\_Order\_FK foreign key (Order#) references StandingOrder(Order#) on delete cascade);

Table created.

**2.**

SQL> insert into Customer (Cust#, Name, Address)

Values ('C1', 'BBC Wales', 'Llantrisant Road, Cardiff, CF5 2YQ');

1 row created.

SQL> insert into Customer

(Cust#, Name, Address)

Values ('C2', 'Pyramid', 'Cardiff Road, Cardiff, CF5 1AB');

1 row created.

SQL> insert into Customer

(Cust#, Name, Address)

Values ('C3', 'Sony Broadcast', 'London Road, Reading, RD1 2CD');

1 row created.

SQL> insert into Customer

(Cust#, Name, Address)

Values ('C4', 'Thompson Broadcast', 'Reading Road, Slough, SL2 3EF');

1 row created.

SQL> insert into Customer

(Cust#, Name, Address)

Values ('C5', 'Radio Spares', 'London Road, Birmingham, BH3 4GH');

1 row created.

SQL> select \* from Customer;

CUST# NAME

------ ------------------------

ADDRESS

--------------------------------------------------

C1 BBC Wales

Llantrisant Road, Cardiff, CF5 2YQ

C2 Pyramid

Cardiff Road, Cardiff, CF5 1AB

C3 Sony Broadcast

London Road, Reading, RD1 2CD

CUST# NAME

------ ------------------------

ADDRESS

--------------------------------------------------

C4 Thompson Broadcast

Reading Road, Slough, SL2 3EF

C5 Radio Spares

London Road, Birmingham, BH3 4GH

SQL> insert into Item

(Item#, Description, Price, Weight)

Values ('I1', 'CD', 1.50, 0.10);

1 row created.

SQL> insert into Item

(Item#, Description, Price, Weight)

Values ('I2', 'Disks', 1.00, 0.15);

1 row created.

SQL> insert into Item

(Item#, Description, Price, Weight)

Values ('I3', 'Cartridges', 2.00, 0.35);

1 row created.

SQL> insert into Item

(Item#, Description, Price, Weight)

Values ('I4', 'Paper', 3.00, 3.15);

1 row created.

SQL> insert into Item

(Item#, Description, Price, Weight)

Values ('I5', 'Toner', 27.50, 5.75);

1 row created.

SQL> insert into Item

(Item#, Description, Price, Weight)

Values ('I6', 'Pen', 0.25, 0.01);

1 row created.

SQL> select \* from Item;

ITEM# DESCRIPTION PRICE WEIGHT

------ -------------------- ---------- ----------

I1 CD 1.5 .1

I2 Disks 1 .15

I3 Cartridges 2 .35

I4 Paper 3 3.15

I5 Toner 27.5 5.75

I6 Pen .25 .01

6 rows selected.

SQL> insert into StandingOrder

(Order#, StartDate, EndDate, Cust#, Item#)

Values ('S01', to\_date('01-Jan-20', 'DD-MM-YY'), to\_date('31-Jan-20', 'DD-MM-YY'), 'C1', 'I1');

1 row created.

SQL> insert into StandingOrder

(Order#, StartDate, EndDate, Cust#, Item#)

Values ('S02', to\_date('01-Jan-20', 'DD-MM-YY'), to\_date('31-Jan-20', 'DD-MM-YY'), 'C2', 'I2');

1 row created.

SQL> insert into StandingOrder

(Order#, StartDate, EndDate, Cust#, Item#)

Values ('S03', to\_date('01-Jan-20', 'DD-MM-YY'), to\_date('31-Jan-20', 'DD-MM-YY'), 'C3', 'I3');

1 row created.

SQL> insert into StandingOrder

(Order#, StartDate, EndDate, Cust#, Item#)

Values ('S04', to\_date('01-Jan-20', 'DD-MM-YY'), to\_date('31-Jan-20', 'DD-MM-YY'), 'C4', 'I4');

1 row created.

SQL> insert into StandingOrder

(Order#, StartDate, EndDate, Cust#, Item#)

Values ('S05', to\_date('01-Jan-20', 'DD-MM-YY'), to\_date('31-Jan-20', 'DD-MM-YY'), 'C5', 'I5');

1 row created.

SQL> insert into StandingOrder

(Order#, StartDate, EndDate, Cust#, Item#)

Values ('S06', to\_date('01-Jan-20', 'DD-MM-YY'), to\_date('31-Jan-20', 'DD-MM-YY'), 'C5', 'I6');

1 row created.

SQL> select \* from StandingOrder;

ORDER# STARTDATE ENDDATE CUST# ITEM#

------ --------- --------- ------ ------

S01 01-JAN-20 31-JAN-20 C1 I1

S02 01-JAN-20 31-JAN-20 C2 I2

S03 01-JAN-20 31-JAN-20 C3 I3

S04 01-JAN-20 31-JAN-20 C4 I4

S05 01-JAN-20 31-JAN-20 C5 I5

S06 01-JAN-20 31-JAN-20 C5 I6

6 rows selected.

SQL> insert into Invoice

(Inv#, InvDate, Total, Cust#)

Values ('I1', to\_date('01-Jan-20', 'DD-MM-YY'), 7.50, 'C1');

1 row created.

SQL> insert into Invoice

(Inv#, InvDate, Total, Cust#)

Values ('I2', to\_date('01-Jan-20', 'DD-MM-YY'), 10.00, 'C2');

1 row created.

SQL> insert into Invoice

(Inv#, InvDate, Total, Cust#)

Values ('I3', to\_date('01-Jan-20', 'DD-MM-YY'), 30.00, 'C3');

1 row created.

SQL> insert into Invoice

(Inv#, InvDate, Total, Cust#)

Values ('I4', to\_date('01-Jan-20', 'DD-MM-YY'), 60.00, 'C4');

1 row created.

SQL> insert into Invoice

(Inv#, InvDate, Total, Cust#)

Values ('I5', to\_date('01-Jan-20', 'DD-MM-YY'), 695.00, 'C5');

1 row created.

SQL> select \* from invoice;

INV# INVDATE TOTAL CUST#

------ --------- ---------- ------

I1 01-JAN-20 7.5 C1

I2 01-JAN-20 10 C2

I3 01-JAN-20 30 C3

I4 01-JAN-20 60 C4

I5 01-JAN-20 695 C5

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D1', to\_date('01-Jan-20', 'DD-MM-YY'), 'I1');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D2', to\_date('01-Jan-20', 'DD-MM-YY'), 'I2');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D3', to\_date('01-Jan-20', 'DD-MM-YY'), 'I3');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D4', to\_date('01-Jan-20', 'DD-MM-YY'), 'I4');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D5', to\_date('01-Jan-20', 'DD-MM-YY'), 'I5');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D7', to\_date('07-Jan-20', 'DD-MM-YY'), 'I1');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D8', to\_date('07-Jan-20', 'DD-MM-YY'), 'I2');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D9', to\_date('07-Jan-20', 'DD-MM-YY'), 'I3');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D10', to\_date('07-Jan-20', 'DD-MM-YY'), 'I4');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D11', to\_date('07-Jan-20', 'DD-MM-YY'), 'I5');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D13', to\_date('14-Jan-20', 'DD-MM-YY'), 'I1');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D14', to\_date('14-Jan-20', 'DD-MM-YY'), 'I2');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D15', to\_date('14-Jan-20', 'DD-MM-YY'), 'I3');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D16', to\_date('14-Jan-20', 'DD-MM-YY'), 'I4');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D17', to\_date('14-Jan-20', 'DD-MM-YY'), 'I5');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D19', to\_date('21-Jan-20', 'DD-MM-YY'), 'I1');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D20', to\_date('21-Jan-20', 'DD-MM-YY'), 'I2');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D21', to\_date('21-Jan-20', 'DD-MM-YY'), 'I3');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D22', to\_date('21-Jan-20', 'DD-MM-YY'), 'I4');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D23', to\_date('21-Jan-20', 'DD-MM-YY'), 'I5');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D25', to\_date('28-Jan-20', 'DD-MM-YY'), 'I1');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D26', to\_date('28-Jan-20', 'DD-MM-YY'), 'I2');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D27', to\_date('28-Jan-20', 'DD-MM-YY'), 'I3');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D28', to\_date('28-Jan-20', 'DD-MM-YY'), 'I4');

1 row created.

SQL> insert into Delivery

(D#, DDate, Inv#)

Values ('D29', to\_date('28-Jan-20', 'DD-MM-YY'), 'I5');

1 row created.

SQL> select \* from Delivery;

D# DDATE INV#

------ --------- ------

D1 01-JAN-20 I1

D2 01-JAN-20 I2

D3 01-JAN-20 I3

D4 01-JAN-20 I4

D5 01-JAN-20 I5

D7 07-JAN-20 I1

D8 07-JAN-20 I2

D9 07-JAN-20 I3

D10 07-JAN-20 I4

D11 07-JAN-20 I5

D13 14-JAN-20 I1

D# DDATE INV#

------ --------- ------

D14 14-JAN-20 I2

D15 14-JAN-20 I3

D16 14-JAN-20 I4

D17 14-JAN-20 I5

D19 21-JAN-20 I1

D20 21-JAN-20 I2

D21 21-JAN-20 I3

D22 21-JAN-20 I4

D23 21-JAN-20 I5

D25 28-JAN-20 I1

D26 28-JAN-20 I2

D# DDATE INV#

------ --------- ------

D27 28-JAN-20 I3

D28 28-JAN-20 I4

D29 28-JAN-20 I5

25 rows selected.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S01', 'D1', 1);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S02', 'D2', 2);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S03', 'D3', 3);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S04', 'D4', 4);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S05', 'D5', 5);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S06', 'D5', 6);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S01', 'D7', 1);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S02', 'D8', 2);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S03', 'D9', 3);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S04', 'D10', 4);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S05', 'D11', 5);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S06', 'D11', 6);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S01', 'D13', 1);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S02', 'D14', 2);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S03', 'D15', 3);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S04', 'D16', 4);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S05', 'D17', 5);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S06', 'D17', 6);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S01', 'D19', 1);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S02', 'D20', 2);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S03', 'D21', 3);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S04', 'D22', 4);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S05', 'D23', 5);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S06', 'D23', 6);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S01', 'D25', 1);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S02', 'D26', 2);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S03', 'D27', 3);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S04', 'D28', 4);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S05', 'D29', 5);

1 row created.

SQL> insert into DeliveredQty

(Order#, D#, Quantity)

Values ('S06', 'D29', 6);

1 row created.

SQL> select \* from DeliveredQty;

ORDER# D# QUANTITY

------ ------ ----------

S01 D1 1

S02 D2 2

S03 D3 3

S04 D4 4

S05 D5 5

S06 D5 6

S01 D7 1

S02 D8 2

S03 D9 3

S04 D10 4

S05 D11 5

ORDER# D# QUANTITY

------ ------ ----------

S06 D11 6

S01 D13 1

S02 D14 2

S03 D15 3

S04 D16 4

S05 D17 5

S06 D17 6

S01 D19 1

S02 D20 2

S03 D21 3

S04 D22 4

ORDER# D# QUANTITY

------ ------ ----------

S05 D23 5

S06 D23 6

S01 D25 1

S02 D26 2

S03 D27 3

S04 D28 4

S05 D29 5

S06 D29 6

30 rows selected.

**3.**

(a)

SQL> select Customer.Name from StandingOrder inner join Customer on StandingOrder.Cust#=Customer.Cust# where StandingOrder.Item# = 'I1' or StandingOrder.Item# = 'I2';

NAME

------------------------

BBC Wales

Pyramid

(b)

SQL> select count(Order#) from StandingOrder where Item# = 'I3' or Item# = 'I4';

COUNT(ORDER#)

-------------

2

(c)

SQL> select item.item#, count(customer.cust#) from ((standingorder inner join customer on standingorder.cust# = customer.cust#) inner join item on standingorder.item# = item.item#) group by item.item# order by item.item#;

ITEM# COUNT(CUSTOMER.CUST#)

------ ---------------------

I1 1

I2 1

I3 1

I4 1

I5 1

I6 1

6 rows selected.

(d)

SQL> select invc.inv# from ((((invoice invc inner join delivery deli on invc.inv#=deli.inv#)

inner join deliveredqty dqty on deli.d#=dqty.d#)

inner join standingorder sto on dqty.order#=sto.order#)

inner join item i on sto.item#=i.item#) group by invc.inv# having count(invc.inv#) >= 2 order by invc.inv#;

INV#

------

I1

I2

I3

I4

I5

(e)

SQL> insert into Payment (P#, PDate, Cust#)

Values ('P1', to\_date('01-Jan-20', 'DD-MM-YY'), 'C1');

1 row created

SQL> insert into Covers (P#, Inv#, Amount)

Values ('P1', 'I1', 7.50);

1 row created.

SQL> insert into Payment (P#, PDate, Cust#)

Values ('P2', to\_date('01-Jan-20', 'DD-MM-YY'), 'C2');

1 row created

SQL> insert into Covers (P#, Inv#, Amount)

Values ('P2', 'I2', 5.00);

1 row created.

SQL> insert into Payment (P#, PDate, Cust#)

Values ('P3', to\_date('01-Jan-20', 'DD-MM-YY'), 'C2');

1 row created

SQL> insert into Covers (P#, Inv#, Amount)

Values ('P3', 'I2', 5.00);

1 row created.

SQL> insert into Payment (P#, PDate, Cust#)

Values ('P4', to\_date('01-Jan-20', 'DD-MM-YY'), 'C3');

1 row created

SQL> insert into Covers (P#, Inv#, Amount)

Values ('P4', 'I3', 15.00);

1 row created.

SQL> insert into Payment (P#, PDate, Cust#)

Values ('P5', to\_date('01-Jan-20', 'DD-MM-YY'), 'C4');

1 row created

SQL> insert into Covers (P#, Inv#, Amount)

Values ('P5', 'I4', 30.00);

1 row created.

SQL> insert into Payment (P#, PDate, Cust#)

Values ('P6', to\_date('01-Jan-20', 'DD-MM-YY'), 'C4');

1 row created

SQL> insert into Covers (P#, Inv#, Amount)

Values ('P6', 'I4', 15.00);

1 row created.

SQL> insert into Payment (P#, PDate, Cust#)

Values ('P7', to\_date('01-Jan-20', 'DD-MM-YY'), 'C5');

1 row created

SQL> insert into Covers (P#, Inv#, Amount)

Values ('P7', 'I5', 700.00);

1 row created.

SQL> select distinct ivc.inv# from ((invoice ivc inner join covers cv on ivc.inv#=cv.inv#) inner join payment pmt on cv.p#=pmt.p#) where cv.amount < ivc.total order by ivc.inv#;

INV#

------

I2

I2

I3

I4

I4

4.

SQL> set linesize 120

set underline = /

compute sum label 'sum' of cost on report

break on customer\_name noduplicates -

on delivery\_no noduplicates -

on report

column customer\_name heading 'Customer Name’ format a15

column delivery\_no heading 'Delivery No' format a15

column item\_no heading 'Item No' format a8

column description heading 'Description'

column quantity heading 'Quantity'

column item\_price heading 'Item Price'

column cost heading 'Cost'

select

distinct cu.name as customer\_name,

dq.d# as delivery\_no,

item.item# as item\_no,

item.description as description,

dq.quantity as quantity,

item.price as item\_price,

item.price\*dq.quantity as cost

from customer cu

inner join standingorder sor on cu.cust#=sor.cust#

inner join deliveredqty dq on sor.order#=dq.order#

inner join invoice iv on cu.cust#=iv.cust#

inner join delivery dl on iv.inv#=dl.inv#

inner join item on sor.item#=item.item#

where cu.cust# = 'C2'

order by delivery\_no;

Customer Name Delivery No Item No Description Quantity Item Price Cost

=============== =============== ======== ==================== ========== ========== ==========

Pyramid D14 I2 Disks 2 1 2

D2 I2 Disks 2 1 2

D20 I2 Disks 2 1 2

D26 I2 Disks 2 1 2

D8 I2 Disks 2 1 2

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ----------

sum 10

SQL> compute sum label 'sum' of cost on report

break on customer\_name noduplicates -

on delivery\_no noduplicates -

on report

column customer\_name heading 'Customer Name' format a15

column delivery\_no heading 'Delivery No' format a15

column item\_no heading 'Item No' format a8

column description heading 'Description'

column quantity heading 'Quantity'

column item\_price heading 'Item Price'

column cost heading 'Cost'

select

distinct cu.name as customer\_name,

dq.d# as delivery\_no,

item.item# as item\_no,

item.description as description,

dq.quantity as quantity,

item.price as item\_price,

item.price\*dq.quantity as cost

from customer cu

inner join standingorder sor on cu.cust#=sor.cust#

inner join deliveredqty dq on sor.order#=dq.order#

inner join invoice iv on cu.cust#=iv.cust#

inner join delivery dl on iv.inv#=dl.inv#

inner join item on sor.item#=item.item#

where cu.cust# = 'C1'

order by delivery\_no;

Customer Name Delivery No Item No Description Quantity Item Price Cost

=============== =============== ======== ==================== ========== ========== ==========

BBC Wales D1 I1 CD 1 1.5 1.5

D13 I1 CD 1 1.5 1.5

D19 I1 CD 1 1.5 1.5

D25 I1 CD 1 1.5 1.5

D7 I1 CD 1 1.5 1.5

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ----------

sum 7.5

SQL> compute sum label 'sum' of cost on report

break on customer\_name noduplicates -

on delivery\_no noduplicates -

on report

column customer\_name heading 'Customer Name' format a15

column delivery\_no heading 'Delivery No' format a15

column item\_no heading 'Item No' format a8

column description heading 'Description'

column quantity heading 'Quantity'

column item\_price heading 'Item Price'

column cost heading 'Cost'

select

distinct cu.name as customer\_name,

dq.d# as delivery\_no,

item.item# as item\_no,

item.description as description,

dq.quantity as quantity,

item.price as item\_price,

item.price\*dq.quantity as cost

from customer cu

inner join standingorder sor on cu.cust#=sor.cust#

inner join deliveredqty dq on sor.order#=dq.order#

inner join invoice iv on cu.cust#=iv.cust#

inner join delivery dl on iv.inv#=dl.inv#

inner join item on sor.item#=item.item#

where cu.cust# = 'C3'

order by delivery\_no;

Customer Name Delivery No Item No Description Quantity Item Price Cost

=============== =============== ======== ==================== ========== ========== ==========

Sony Broadcast D15 I3 Cartridges 3 2 6

D21 I3 Cartridges 3 2 6

D27 I3 Cartridges 3 2 6

D3 I3 Cartridges 3 2 6

D9 I3 Cartridges 3 2 6

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* \*\*\*\*\*\*\*\*\*\*\*\*\*\*\* ----------

sum 30

SQL> compute sum label 'sum' of cost on report

break on customer\_name noduplicates -

on delivery\_no noduplicates -

on report

column customer\_name heading 'Customer Name' format a20

column delivery\_no heading 'Delivery No' format a15

column item\_no heading 'Item No' format a8

column description heading 'Description'

column quantity heading 'Quantity'

column item\_price heading 'Item Price'

column cost heading 'Cost'

select

distinct cu.name as customer\_name,

dq.d# as delivery\_no,

item.item# as item\_no,

item.description as description,

dq.quantity as quantity,

item.price as item\_price,

item.price\*dq.quantity as cost

from customer cu

inner join standingorder sor on cu.cust#=sor.cust#

inner join deliveredqty dq on sor.order#=dq.order#

inner join invoice iv on cu.cust#=iv.cust#

inner join delivery dl on iv.inv#=dl.inv#

inner join item on sor.item#=item.item#

where cu.cust# = 'C4'

order by delivery\_no;

Customer Name Delivery No Item No Description Quantity Item Price Cost

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Thompson Broadcast D10 I4 Paper 4 3 12

D16 I4 Paper 4 3 12

D22 I4 Paper 4 3 12

D28 I4 Paper 4 3 12

D4 I4 Paper 4 3 12

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sum 60

SQL> compute sum label 'sum' of cost on report

break on customer\_name noduplicates -

on delivery\_no noduplicates -

on report

column customer\_name heading 'Customer Name' format a20

column delivery\_no heading 'Delivery No' format a15

column item\_no heading 'Item No' format a8

column description heading 'Description'

column quantity heading 'Quantity'

column item\_price heading 'Item Price'

column cost heading 'Cost'

select

distinct cu.name as customer\_name,

dq.d# as delivery\_no,

item.item# as item\_no,

item.description as description,

dq.quantity as quantity,

item.price as item\_price,

item.price\*dq.quantity as cost

from customer cu

inner join standingorder sor on cu.cust#=sor.cust#

inner join deliveredqty dq on sor.order#=dq.order#

inner join invoice iv on cu.cust#=iv.cust#

inner join delivery dl on iv.inv#=dl.inv#

inner join item on sor.item#=item.item#

where cu.cust# = 'C5'

order by delivery\_no;

Customer Name Delivery No Item No Description Quantity Item Price Cost

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Radio Spares D11 I5 Toner 5 27.5 137.5

I6 Pen 6 .25 1.5

D17 I5 Toner 5 27.5 137.5

I6 Pen 6 .25 1.5

D23 I5 Toner 5 27.5 137.5

I6 Pen 6 .25 1.5

D29 I5 Toner 5 27.5 137.5

I6 Pen 6 .25 1.5

D5 I5 Toner 5 27.5 137.5

Customer Name Delivery No Item No Description Quantity Item Price Cost

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Radio Spares D5 I6 Pen 6 .25 1.5

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sum 695

10 rows selected.