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Project Part III

Description:

```
[SQL> DESC store;                                                          ]
 Name                                          Null?    Type
 --------------------------------------------- -------- ------------------------------
 SNAME                                                  VARCHAR2(20)
 SID                                           NOT NULL CHAR(5)
 SLOC                                                   VARCHAR2(40)
 PID                                                    CHAR(5)
 SSN                                                    CHAR(9)

SNAME                                                   SID            SLOC
     PID             SSN
----------------------------------------------------- --------------- --------------------
------------------------------------------------------------------------------ ------------
-------------------
Wandering Wares                                        85793          New Orleans
     12345           114352044
Clever Curation                                        41625          Denver
     13445           330679138
Rustic Roots                                           92108          Seattle
     23213           581726690
Whimsical Wonders                                      38572          Miami
     23346           710338624
Savvy Selects                                          73641          Chicago
     45989           832110763




SQL> desc product;
 Name                                          Null?    Type
 --------------------------------------------- -------- ------------------------------
 PID                                           NOT NULL CHAR(5)
 PRICE                                                  FLOAT(126)
 SUP_ID                                                 CHAR(7)
 CID                                                    CHAR(5)

```

```
SQL> SELECT *
  2  FROM product;

PID                   PRICE SUP_ID                   CID
--------------- ---------- --------------------- ---------------
12345                230.02 3126612                28876
23346                150.3 4300912                32730
13445                 70.08 5138062                36654
23213                  90.1 7330465                37966
45989                 50.02 9100783                48542
86294                450.2 8574921                89490
49105                235.8 9100783                87948


SQL> DESC manufactured_product;
 Name                                      Null?    Type
 ----------------------------------------- -------- ---------------
 PID                                       NOT NULL CHAR(5)
 MANUFACTURED_DATE                                  DATE
 QTY                                                NUMBER(38)


SQL> SELECT *
  2  FROM manufactured_product;

PID             MANUFACTURED_DA        QTY
--------------- --------------- ----------
12345           02-DEC-22              100
13445           06-MAR-20             1600
23213           15-JUN-21             1750
23346           08-JAN-21             1200
45989           11-AUG-15              780


SQL> DESC purchased_product;
 Name                                      Null?    Type
 ----------------------------------------- -------- ---------------
 PID                                       NOT NULL CHAR(5)
 PURCHASED_DATE                                     DATE
 QTY                                                NUMBER(38)
```

```
SQL> SELECT *
  2  FROM purchased_product;

PID             PURCHASED_DATE      QTY
--------------- --------------- ----------
12345           11-AUG-15           780
13445           02-NOV-20           200
23213           18-MAY-22           180
86294           10-JUN-19           300
49105           01-JAN-23           690


[SQL> DESC product_type;
 Name                                      Null?    Type
 ----------------------------------------- -------- --------------------
 PID                                       NOT NULL CHAR(5)
 TYPE                                      NOT NULL VARCHAR2(20)


[SQL> SELECT *
[  2  FROM product_type;

PID             TYPE
--------------- ------------------------
12345           Manufactured
12345           Purchased
13445           Manufactured
13445           Purchased
23213           Manufactured
23213           Purchased
23346           Manufactured
45989           Manufactured
49105           Purchased
86294           Purchased
```

Queries:

Display total sales of manufactured products bought by individual customers for each store.
SELECT sname , sum(price)
FROM
Store s
JOIN manufactured_product mfd
On mfd.pid=s.pid
JOIN product
ON product.pid=s.pid
JOIN customer c
ON c.cid=product.cid
JOIN individual_customer iid
ON c.cid=iid.iid
Group by sname;

```
 1  SELECT   sname ,   sum(price)
 2  FROM
 3  Store s
 4  JOIN manufactured_product mfd
 5  On mfd.pid=s.pid
 6  JOIN product
 7  ON product.pid=s.pid
 8  JOIN customer c
 9  ON c.cid=product.cid
10  JOIN individual_customer iid
11  ON c.cid=iid.iid
12* Group by sname
```

SNAME	SUM(PRICE)
Whimsical Wonders	150.3
Savvy Selects	50.02
Wandering Wares	230.02
Rustic Roots	90.1
Clever Curation	70.08

Display the phone numbers of the customer, name of the store and price and type of the product they bought for less than $100.
SELECT cphone, price, sname, type
FROM customer cust
JOIN product prod
ON cust.cid=prod.cid
JOIN store
ON store.pid=prod.pid
JOIN product_type pt

ON pt.pid=prod.pid
where price<100;

```
  1  SELECT cphone, price, sname, type
  2  FROM customer cust
  3  JOIN product prod
[ 4  ON cust.cid=prod.cid
  5  JOIN store
[ 6  ON store.pid=prod.pid
  7  JOIN product_type pt
  8  ON pt.pid=prod.pid
  9* where price<100
```

```
CPHONE                               PRICE SNAME                                                  TYPE
----------------------------------- ---------- ---------------------------------------------------- ----------------
-----------------------------------------
452-314-4072                         50.02 Savvy Selects                                           Manufactured
684-679-6232                          90.1 Rustic Roots                                            Manufactured
684-679-6232                          90.1 Rustic Roots                                            Purchased
748-621-5631                         70.08 Clever Curation                                         Manufactured
748-621-5631                         70.08 Clever Curation                                         Purchased
```

Display quantity of the manufactured products at different locations with their price that were
bought by individual customers.
SELECT prod.pid, qty, sloc, price
FROM manufactured_product mfd
JOIN product prod
ON prod.pid=mfd.pid
JOIN store st
ON st.pid=prod.pid
JOIN individual_customer ic
ON ic.iid=prod.cid;

```
  1  SELECT prod.pid, qty, sloc, price
  2  FROM manufactured_product mfd
  3  JOIN product prod
  4  ON prod.pid=mfd.pid
  5  JOIN store st
  6  ON st.pid=prod.pid
  7  JOIN individual_customer ic
  8* ON ic.iid=prod.cid
```

```
PID                     QTY SLOC
PRICE
--------------- ---------- -------------------------
-------------------- ----------
12345                   100 New Orleans
30.02
13445                  1600 Denver
70.08
23213                  1750 Seattle
 90.1
23346                  1200 Miami
150.3
45989                   780 Chicago
50.02
```