```
========================================
||  14TH SEPT 2015- SUPPLIER DETAILS  ||
========================================
```

SQL> CREATE TABLE SUPPLIER_DETAILS18(SUP_CODE VARCHAR(3) PRIMARY KEY,SUP_NAME VARCHAR(10),ADDRESS VARCHAR(10),STATE VARCHAR(10));

TABLE CREATED.

SQL> DESCRIBE SUPPLIER_DETAILS18;

```
NAME
NULL?    TYPE

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

SUP_CODE
NOT NULL VARCHAR2(3)

SUP_NAME
VARCHAR2(10)

ADDRESS
VARCHAR2(10)

STATE
VARCHAR2(10)
```

SQL> SELECT * FROM SUPPLIER_DETAILS18;

```
SUP SUP_NAME    ADDRESS     STATE
--- ---------- ---------- ----------
S1  RELIANCE    BANDRA      MP
S2  GODREJ      NOIDA       UP
S3  BPL         PALAKKAD    KERALA
S4  FINOLEX     BANGALORE   KARNATAKA
```

```
================================================================================
```

SQL> CREATE TABLE ITEM_DETAILS18(
  2 ITEM_CODE VARCHAR(6) PRIMARY KEY,
  3 ITEM_NAME VARCHAR(15),
  4 ITEM_RATE NUMBER(6),
  5 ITEM_TAX NUMBER(3),
  6 ITEM_TYPE VARCHAR(17),
  7 ITEM_LIMIT VARCHAR(5));

TABLE CREATED.

SQL> DESCRIBE ITEM_DETAILS18;

```
NAME
NULL?    TYPE

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

ITEM_CODE
NOT NULL VARCHAR2(6)

ITEM_NAME
VARCHAR2(15)

ITEM_RATE
NUMBER(6)
```

```
ITEM_TAX
NUMBER(3)

ITEM_TYPE
VARCHAR2(17)

ITEM_LIMIT
VARCHAR2(5)

ITEM_C ITEM_NAME        ITEM_RATE   ITEM_TAX ITEM_TYPE          ITEM_
------ --------------- ---------- ---------- ----------------- -----
ITEM1  TELEVISION           12000         10 ELECTRONICS        NOS
ITEM2  MOBILE                5000         15 ELECTRONICS        NOS
ITEM3  SOAP                    15          5 COSMETICS          BOX
ITEM4  FRIDGE                7500         10 HOME APPLIANCES    NO
ITEM5  CABLE                 1500         10 ELECTRICAL         ROLL


=============================================================================*

SQL>   CREATE TABLE PURCHASE_DETAILS18(
  2  SUP_CODE VARCHAR(3) PRIMARY KEY,
  3  ITEM_CODE VARCHAR(6) ,
  4  ITEM_QTY NUMBER(3),
  5  ITEM_RATE NUMBER(6),
  6  ITEM_TAX NUMBER(3),
  7  SUP_DATE DATE,
  8  CONSTRAINT P1 FOREIGN KEY(SUP_CODE) REFERENCES SUPPLIER_DETAILS18 ON DELETE CASCADE ,
  9 CONSTRAINT P2 FOREIGN KEY(ITEM_CODE) REFERENCES ITEM_DETAILS18 ON DELETE CASCADE );

TABLE CREATED.


SQL> DESCRIBE PURCHASE_DETAILS18;

NAME
NULL?    TYPE

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

SUP_CODE
NOT NULL VARCHAR2(3)

ITEM_CODE
VARCHAR2(6)

ITEM_QTY
NUMBER(3)

ITEM_RATE
NUMBER(6)

ITEM_TAX
NUMBER(3)

SUP_DATE
DATE

SQL> SELECT * FROM PURCHASE_DETAILS18;

SUP ITEM_C   ITEM_QTY  ITEM_RATE   ITEM_TAX SUP_DATE
--- ------ ---------- ---------- ---------- ---------
S1  ITEM1          10       1000         15 01-JAN-03
S2  ITEM2          10      10000         10 07-AUG-05
S3  ITEM3           5       6000         10 08-AUG-05
S4  ITEM4           2      15000         10 07-JUL-05
```

==

Q1.
===

```
SQL> SELECT SUP_CODE,ITEM_CODE,SUP_DATE,ITEM_QTY*(ITEM_RATE+ITEM_TAX*ITEM_RATE*.01)  TOTAL_AMOUNT FROM
PURCHASE_DETAILS18;

SUP ITEM_C SUP_DATE   TOTAL_AMOUNT
--- ------ --------- ------------
S1  ITEM1  01-JAN-03        11500
S2  ITEM2  07-AUG-05       110000
S3  ITEM3  08-AUG-05        33000
S4  ITEM4  07-JUL-05        33000
```


===*
Q2.
===*
```
SQL> SELECT SUP_CODE,SUP_DATE,ITEM_QTY*(ITEM_RATE+ITEM_TAX*ITEM_RATE*.01) ITEM_TOT FROM
PURCHASE_DETAILS18 WHERE ITEM_QTY*(ITEM_RATE+ITEM_TAX*ITEM_RATE*.01) IN (SELECT MAX(ITEM_QTY*(ITEM_RATE
+ITEM_TAX*ITEM_RATE*.01)) FROM PURCHASE_DETAILS18) ;

SUP SUP_DATE   ITEM_TOT
--- --------- --------------------------------------------
S2  07-AUG-05 110000
```


==*
Q3.
===
```
SQL> SELECT ITEM_NAME FROM ITEM_DETAILS18,PURCHASE_DETAILS18 WHERE
ITEM_DETAILS18.ITEM_CODE=PURCHASE_DETAILS18.ITEM_CODE AND SUP_DATE BETWEEN '01-JAN-02' AND '30-JUL-05';

ITEM_NAME
---------------
TELEVISION
FRIDGE
```

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Q4.
===
```
SQL> SELECT SUP_NAME FROM SUPPLIER_DETAILS18,PURCHASE_DETAILS18 WHERE
PURCHASE_DETAILS18.SUP_CODE=SUPPLIER_DETAILS18.SUP_CODE AND ITEM_RATE>7000;

SUP_NAME
----------
GODREJ
FINOLEX
```

===*
Q5.
===
```
SQL>   SELECT PURCHASE_DETAILS18.SUP_CODE,SUP_NAME,PURCHASE_DETAILS18.ITEM_CODE,
  2   ITEM_NAME,PURCHASE_DETAILS18.ITEM_QTY*PURCHASE_DETAILS18.ITEM_RATE*(1
+.01*PURCHASE_DETAILS18.ITEM_TAX) TOTAL_AMOUNT
  3  FROM PURCHASE_DETAILS18,ITEM_DETAILS18,SUPPLIER_DETAILS18
  4  WHERE SUPPLIER_DETAILS18.SUP_CODE=PURCHASE_DETAILS18.SUP_CODE
  5 AND ITEM_DETAILS18.ITEM_CODE=PURCHASE_DETAILS18.ITEM_CODE
  6  ;

SUP SUP_NAME    ITEM_C ITEM_NAME        TOTAL_AMOUNT
--- ---------- ------ --------------- ------------
S1  RELIANCE   ITEM1  TELEVISION             11500
```

```
S2  GODREJ     ITEM2  MOBILE                  110000
S3  BPL        ITEM3  SOAP                     33000
S4  FINOLEX    ITEM4  FRIDGE                   33000

============================================================*
```
Q6.
===

```
SQL> ALTER TABLE PURCHASE_DETAILS18 ADD P_CODE VARCHAR(4);

TABLE ALTERED.

SQL> DESCRIBE PURCHASE_DETAILS18;

NAME
NULL?    TYPE

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

SUP_CODE
NOT NULL VARCHAR2(3)

ITEM_CODE
VARCHAR2(6)

ITEM_QTY
NUMBER(3)

ITEM_RATE
NUMBER(6)

ITEM_TAX
NUMBER(3)

SUP_DATE
DATE
 P_CODE

VARCHAR2(4)

============================================================
```
Q7.
===
```
SQL> SELECT PURCHASE_DETAILS18.SUP_CODE,SUP_NAME,PURCHASE_DETAILS18.ITEM_CODE,ITEM_NAME,
  2  ITEM_QTY*ITEM_DETAILS18.ITEM_RATE*(1+.01*PURCHASE_DETAILS18.ITEM_TAX) TOTAL_AMOUNT
  3   FROM PURCHASE_DETAILS18,ITEM_DETAILS18,SUPPLIER_DETAILS18
  4  WHERE SUPPLIER_DETAILS18.SUP_CODE=PURCHASE_DETAILS18.SUP_CODE
  5   AND ITEM_DETAILS18.ITEM_CODE=PURCHASE_DETAILS18.ITEM_CODE;

SUP SUP_NAME   ITEM_C ITEM_NAME       TOTAL_AMOUNT
--- ---------- ------ --------------- ------------
S1  RELIANCE   ITEM1  TELEVISION            138000
S2  GODREJ     ITEM2  MOBILE                 55000
S3  BPL        ITEM3  SOAP                    82.5
S4  FINOLEX    ITEM4  FRIDGE                 16500

============================================================
```
Q8.
===
```
SQL>  SELECT P_CODE,PURCHASE_DETAILS18.ITEM_CODE,ITEM_NAME,
  2       ITEM_DETAILS18.ITEM_RATE*(1+.01*ITEM_DETAILS18.ITEM_TAX) ITEM_TOT,
  3       PURCHASE_DETAILS18.ITEM_RATE*(1+.01*PURCHASE_DETAILS18.ITEM_TAX) PUR_TOT,
  4       ABS((ITEM_DETAILS18.ITEM_RATE*(1+.01*ITEM_DETAILS18.ITEM_TAX))-(PURCHASE_DETAILS18.ITEM_RATE*(1
+.01*PURCHASE_DETAILS18.ITEM_TAX))) DIFFERENCE
```

```
  5       FROM PURCHASE_DETAILS18,ITEM_DETAILS18
  6        WHERE ITEM_DETAILS18.ITEM_CODE=PURCHASE_DETAILS18.ITEM_CODE
  7*       AND ITEM_DETAILS18.ITEM_RATE<>PURCHASE_DETAILS18.ITEM_RATE
  8  ;

P_CO ITEM_C ITEM_NAME          ITEM_TOT    PUR_TOT DIFFERENCE
---- ------ --------------- ---------- ---------- ----------
P01  ITEM1  TELEVISION          13200       1150      12050
P02  ITEM2  MOBILE               5750      11000       5250
P03  ITEM3  SOAP                15.75       6600    6584.25
P04  ITEM4  FRIDGE               8250      16500       8250


============================================================**

Q9.
===

SQL>  SELECT P_CODE,ITEM_NAME,PURCHASE_DETAILS18.ITEM_CODE,
  2  ((PURCHASE_DETAILS18.ITEM_RATE*(1+PURCHASE_DETAILS18.ITEM_TAX*.01))-(ITEM_DETAILS18.ITEM_RATE*(1
+ITEM_DETAILS18.ITEM_TAX*.01))) TAX_DIFF
  3  FROM PURCHASE_DETAILS18,ITEM_DETAILS18
  4  WHERE ITEM_DETAILS18.ITEM_CODE=PURCHASE_DETAILS18.ITEM_CODE
  5  AND ITEM_DETAILS18.ITEM_TAX>PURCHASE_DETAILS18.ITEM_TAX
  6  ;

P_CO ITEM_NAME       ITEM_C   TAX_DIFF
---- --------------- ------ ----------
P02  MOBILE          ITEM2       5250


============================================================**
```