

## PRACTICAL NO.7

Suppose that a Product table contains two attributes, PROD\_CODE and VEND\_CODE. The values for the PROD\_CODE are: ABC, DEF, GHI and JKL. These are matched by the following values for the VEND\_CODE: 125, 124, 124 and 123, respectively (e.g., PROD\_CODE value ABC corresponds to VEND\_CODE value 125). The Vendor table contains a single attribute, VEND\_CODE, with values 123, 124, 125 and 126. (The VEND\_CODE attribute in the Product table is a foreign key to the VEND\_CODE in the Vendor table.)

```
Run SQL Command Line
SQL> CREATE TABLE VENDOR(VEND_CODE INT PRIMARY KEY);
Table created.

SQL> CREATE TABLE PRODUCT(PRO_CODE VARCHAR(10), VEND_CODE REFERENCES VENDOR(VEND_CODE));
Table created.
```

```
Run SQL Command Line
SQL> INSERT INTO VENDOR VALUES(125);
1 row created.

SQL> INSERT INTO VENDOR VALUES(126);
1 row created.

SQL> INSERT INTO VENDOR VALUES(124);
1 row created.

SQL> INSERT INTO VENDOR VALUES(123);
1 row created.

SQL> SELECT * FROM VENDOR;

VEND_CODE
-----
125
126
124
123
```

```
Run SQL Command Line
SQL> INSERT INTO PRODUCT VALUES('ABC',125);
1 row created.

SQL> INSERT INTO PRODUCT VALUES('DEF',124);
1 row created.

SQL> INSERT INTO PRODUCT VALUES('GHI',124);
1 row created.

SQL> INSERT INTO PRODUCT VALUES('JKL',123);
1 row created.

SQL> SELECT * FROM PRODUCT;

PRO_CODE  VEND_CODE
-----
ABC        125
DEF        124
GHI        124
JKL        123
```

Given the information, what would be the query output for the following?  
Show values.

a) A UNION query based on these two tables.

```
SQL> Run SQL Command Line

SQL> SELECT VEND_CODE FROM VENDOR
 2  UNION
 3  SELECT VEND_CODE FROM PRODUCT;

VEND_CODE
-----
      123
      124
      125
      126
```

b) A UNION ALL query based on these two tables

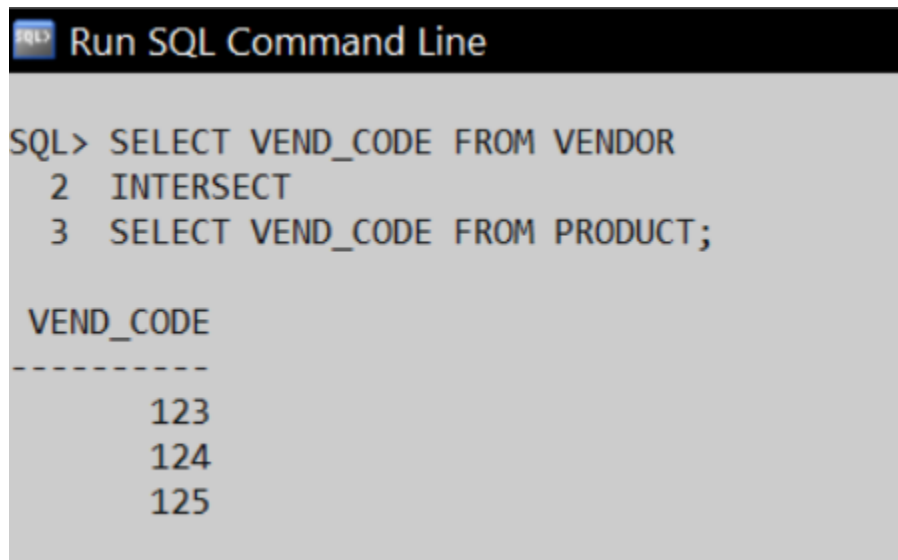
```
SQL> Run SQL Command Line

SQL> SELECT VEND_CODE FROM VENDOR
 2  UNION ALL
 3  SELECT VEND_CODE FROM PRODUCT;

VEND_CODE
-----
      125
      126
      124
      123
      125
      124
      124
      123

8 rows selected.
```

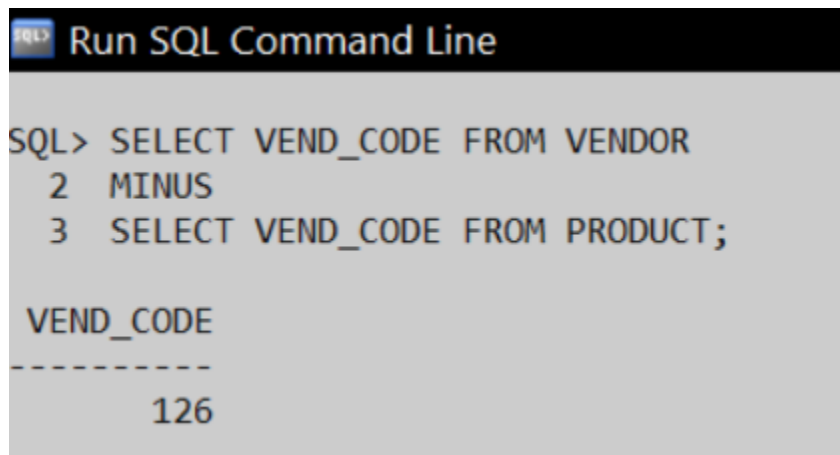
c) An INTERSECT query based on these two tables



```
SQL> SELECT VEND_CODE FROM VENDOR
2  INTERSECT
3  SELECT VEND_CODE FROM PRODUCT;

VEND_CODE
-----
      123
      124
      125
```

d) A MINUS query based on these two tables



```
SQL> SELECT VEND_CODE FROM VENDOR
2  MINUS
3  SELECT VEND_CODE FROM PRODUCT;

VEND_CODE
-----
      126
```