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.

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

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

Run SQL Command Line

```
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

Run SQL Command Line

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

 VEND_CODE
----------
       126
```