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CLASS: FYIT DIV: A ROLL NO: 108
SUBJECT: DBMS

PRACTICAL 7

AIM: STUDY OF VARIOUS TYPES OF OPERATORS

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.)

```
SQL> create table abdullah#Vendor(VEND_CODE int primary key);
Table created.

SQL> create table abdullah#Product(PROD_CODE int,VEND_CODE int references abdullah#Vendor(VEND_CODE));
Table created.

SQL> alter table abdullah#Product
  2  modify PROD_CODE varchar(10);
Table altered.

SQL> insert into abdullah#Vendor values(123);
1 row created.

SQL> insert into abdullah#Vendor values(124);
1 row created.

SQL> insert into abdullah#Vendor values(125);
1 row created.

SQL> insert into abdullah#Vendor values(126);
1 row created.

SQL> insert into abdullah#Product values('ABC',125);
1 row created.

SQL> insert into abdullah#Product values('DEF',124);
1 row created.

SQL> insert into abdullah#Product values('GHI',124);
1 row created.

SQL> insert into abdullah#Product values('JKL',123);
1 row created.
```

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

```
SQL> select * from abduallah#Vendor;

VEND_CODE
-----
      123
      124
      125
      126

SQL> select * from abduallah#Product;

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

a) A UNION query based on these two tables

```
SQL> select VEND_CODE from abduallah#Vendor
2  UNION
3  select VEND_CODE from abduallah#Product;

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

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b) A UNION ALL query based on these two tables

```
SQL> select VEND_CODE from abduallah#Vendor
 2  UNION ALL
 3  select VEND_CODE from abduallah#Product;

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

8 rows selected.
```

c) An INTERSECT query based on these two tables

```
SQL> select VEND_CODE from abduallah#Vendor
 2  INTERSECT
 3  select VEND_CODE from abduallah#Product;

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

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d) A MINUS query based on these two tables

```
SQL> select VEND_CODE from abduallah#Vendor
 2  MINUS
 3  select VEND_CODE from abduallah#Product;

VEND_CODE
-----
      126
```