

Name: Farhan Siddiqui

Roll No: 87

Sr. No.	DATE	TITLE	SIGN
1.		Study of Data Definition Language Statement	
2.		Study of Data Manipulation Language Statement	
3.		Study of SELECT Statement.	
4.		Draw ER diagram for given scenario/project/case study	
5.		Study of various type of JOINS	
6.		Study of different functions	
7.		Study of various types of SET OPERATORS	
8.		Study of various types of views	
9.		Study of subqueries with all its clauses	
10.		Study of Transaction (Commit/ Rollback), Locks	
11.		Implementing deadlocks	

FYIT

## **Practical 7: Study of various types of SET OPERATORS**

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**Roll 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.)

```

SQL> CREATE TABLE VENDOR(VEND_CODE INT PRIMARY KEY);
Table created.

SQL> CREATE TABLE PRODUCT(PROD_CODE VARCHAR(3),VEND_CODE INT,FOREIGN KEY(VEND_CODE) REFERENCES VENDOR(VEND_CODE));
Table created.

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

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

SQL> INSERT INTO VENDOR VALUES(125);
1 row created.

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

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.

```

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

```
SQL> SELECT * FROM VENDOR;
```

VEND_CODE
123
124
125
126

```
SQL> SELECT * FROM PRODUCT;
```

PRO	VEND_CODE
ABC	125
DEF	124
GHI	124
JKL	123

a) A UNION query based on these two tables

```
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

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

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

VEND_CODE
123
124
125
126
125
124
124
123

8 rows selected.

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



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**CERTIFICATE**

**Name: Mr. Farhan Siddiqui**

**Roll No: 87      Programme: BSc IT      Semester: II**

This is certified to be a bonafide record of practical works done by the above student in the college laboratory for the course **Database Management Systems I** (Course Code: **2023UISPR**) for the partial fulfillment of Second Semester of BSc IT/CS during the academic year 2020-2021.

The journal work is the original study work that has been duly approved in the year 2020-2021 by the undersigned.

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**External Examiner**

\_\_\_\_\_  
**Subject-In-Charge  
(Ms.Sweety Garg)**

**Date of Examination: (College Stamp)**