

Task -10

CRUD OPERATION: IN DOCUMENT

date: 13/10/23

## DATABASES

Aim:

To CRUD operations in document databases.

College management database in SQL.

Step 1: Create Database:

```
CREATE DATABASE college DB;  
USE college DB,
```

Step 2: Create Tables.

```
CREATE TABLE STUDENT  
  Student_id INT PRIMARY KEY  
  AUTO-INCREMENT  
  Name VARCHAR(100)  
  rollno: VARCHAR(200) UNIQUE,  
  credits INT  
);
```

```
CREATE TABLE STAFF  
  Staff id INT PRIMARY KEY  
  Internment.
```



name VARCHAR (100).  
role VARCHAR (50)  
department VARCHAR (50)

);

Step 3: Insert Records:

INSERT INTO Students (name, roll no,  
department, age)

('Bob Smith', 'S102', 'mechanical', 21)

Charlie Brown 'S103', 'civil', 19);

INSERT INTO Cname, roll no, department,  
age)

('Bob Smith', 'S102', 'mechanical', 21)

Charlie Brown, 'S103', 'civil', 19);

COURSES:

INSERT INTO COURSES  
(course name, course code, & its values)

INSERT INTO STAFF (name, & other

role, department) values:

a) Database

b) John;

P<sub>1</sub> = John Smith; lectures, computer science)



(Dr, John ; lecture ; 'mechanical')

Step 4: Read / query records.

select \* from students where  
department computers science;

S.no	Name	Roll.no	department	age
1.	Alice	S101	computers science	20

select \* from courses where credits = 4;

S.no	course-name	coursecode	credits
1.	database systems	CS301	4
2.	Structural Analysis	CE101	4

Step 5: update Records:

UPDATE students,

SET age = 21

WHERE Roll-no = 'S101'

UPDATE Courses

SET Credits = 4

WHERE Course = Code = 'ME201';



## Step 6: Delete Records

DELETE FROM student WHERE Rollno = 'S105'

DELETE FROM course WHERE course\_code = 'CE101'

DELETE FROM staff WHERE name = 'Dr. John'

VELTECH	
NO.	8
PERFORMANCE (5)	8
RESULT AND ANALYSIS (5)	8
VIVA VOCE (5)	8
RECORD (5)	
TOTAL (20)	18
SIGN WITH DATE	

Result:

Thus, the CRUD operations in document databases is executed successfully.

13/01/20