**Database Management System**

**Assignment-02**

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-- Rename the existing tables

RENAME TABLE SD TO StudentDetails;

RENAME TABLE SM TO StudentMarks;

-- Insert modified data into StudentDetails

INSERT INTO StudentDetails (S\_ID, Name, Address) VALUES

(1, 'John', 'New York'),

(2, 'Sarah', 'Los Angeles'),

(3, 'Alex', 'Chicago'),

(4, 'Mia', 'Houston'),

(5, 'Ethan', 'Phoenix');

-- Insert modified data into StudentMarks

INSERT INTO StudentMarks (ID, Name, Marks, Age) VALUES

(1, 'John', 92, 20),

(2, 'Sarah', 78, 21),

(3, 'Alex', 85, 22),

(4, 'Mia', 95, 19),

(5, 'Ethan', 88, 23);

-- Create a view to show Name and Address for students with S\_ID < 5

CREATE VIEW Details AS

SELECT Name, Address

FROM StudentDetails

WHERE S\_ID < 5;

-- Create a view that joins StudentDetails and StudentMarks by Name

CREATE VIEW Marks AS

SELECT StudentMarks.ID, StudentDetails.Name, StudentDetails.Address, StudentMarks.Marks

FROM StudentDetails

JOIN StudentMarks ON StudentDetails.Name = StudentMarks.Name;

-- To view the 'Details' view

SELECT \* FROM Details;

-- To view the 'Marks' view

SELECT \* FROM Marks;

**Output:-**

* + **SELECT \* FROM Details;** This will show the Details view which will return:

|  |  |
| --- | --- |
| Name | Address |
| John | New York |
| Sarah | Los Angeles |
| Alex | Chicago |
| Mia | Houston |

* + **SELECT \* FROM Marks;** This will show the Marks view which will return:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Name | Address | Marks |
| 1 | John | New York | 92 |
| 2 | Sarah | Los Angeles | 78 |
| 3 | Alex | Chicago | 85 |
| 4 | Mia | Houston | 95 |
| 5 | Ethan | Phoenix | 88 |