

SQL View

DR. MOHAMMED A. MOHAMMED

UNIVERSITY OF SULAIMANI | COLLEGE OF SCIENCE | COMPUTER DEPT.

SQL Views

A view is basically the set of rows you'd receive when you execute a given query. This set of rows looks exactly like any other table to a user of the database although all the data it contains is in fact stored in other tables.

SQL Views

View is useful to:

- Restricting access to certain data.
- Modifying data through a view is usually not possible.
- Views are updated whenever their underlying data changes

Creating a View

```
CREATE VIEW Vstudent as SELECT * FROM Students
```

```
CREATE VIEW StudentSummary AS  
SELECT Student.StudentID, Student.Name, COUNT(*) AS  
ExamsTaken FROM Student  
INNER JOIN StudentExam ON Student.StudentID =  
StudentExam.StudentID  
GROUP BY Student.StudentID, Student.Name
```

Updating a View

Create or Replace VIEW *ViewName* AS *NewQuery*

Create or Replace VIEW vstudent as SELECT sid from students

Deleting a View

`DROP VIEW ViewName`

`DROP VIEW vstudent`

End of View