

SQLServer Lab

Note: Use ITI DB

1. Create a view that displays student full name, course name if the student has a grade more than 50.
2. Create an Encrypted view that displays manager names and the topics they teach.
3. Create a view that will display Instructor Name, Department Name for the 'SD' or 'Java' Department
4. Create a view "V1" that displays student data for student who lives in Alex or Cairo.

Note: Prevent the users to run the following query

```
Update V1 set st_address='tanta'  
Where st_address='alex';
```

5. Create a view that will display the project name and the number of employees work on it. "Use Company DB"
6. Create the following schema and transfer the following tables to it
 - a. Company Schema
 - i. Department table (Programmatically)
 - ii. Project table (visually)
 - b. Human Resource Schema
 - i. Employee table (Programmatically)
7. Create index on column (Hiredate) that allow u to cluster the data in table Department. What will happen?
8. Create index that allow u to enter unique ages in student table. What will happen?
9. Create a cursor for Employee table that increases Employee salary by 10% if Salary <3000 and increases it by 20% if Salary >=3000. Use company DB

10. Display Department name with its manager name using cursor. Use ITI DB
11. Try to display all students first name in one cell separated by comma.
Using Cursor
12. Try to generate script from DB ITI that describes all tables and views in this DB
13. Try Sql Profiler and track query executed