

# 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 SD database"
6. Create index on column (Hiredate) that allow u to cluster the data in table Department. What will happen?
7. Create index that allow u to enter unique ages in student table. What will happen?
8. Using Merge statement between the following two tables [User ID, Transaction Amount]

**Daily Transactions**

1	1000
2	2000
3	1000

**Last Transactions**

1	4000
4	2000
2	10000

## Part2: use SD\_DB

- 1) Create view named "v\_clerk" that will display employee#,project#, the date of hiring of all the jobs of the type 'Clerk'.
- 2) Create view named "v\_without\_budget" that will display all the projects data without budget
- 3) Create view named "v\_count " that will display the project name and the # of jobs in it
- 4) Create view named " v\_project\_p2" that will display the emp# for the project# 'p2' use the previously created view "v\_clerk"
- 5) modify the view named "v\_without\_budget" to display all DATA in project p1 and p2
- 6) Delete the views "v\_clerk" and "v\_count"
- 7) Create view that will display the emp# and emp lastname who works on dept# is 'd2'
- 8) Display the employee lastname that contains letter "J"  
Use the previous view created in Q#7
- 9) Create view named "v\_dept" that will display the department# and department name.
- 10) using the previous view try enter new department data where dept# is 'd4' and dept name is 'Development'
- 11) Create view name "v\_2006\_check" that will display employee#, the project #where he works and the date of joining the project which must be from the first of January and the last of December 2006.