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’;

1. Create a view that will display the project name and the number of employees work on it. “Use Company DB”
2. “Use Company DB” Create the following schema and transfer the following tables to it
   1. Company Schema
      1. Department table (Programmatically)
      2. Project table (by wizard)
   2. Human Resource Schema
      1. Employee table (Programmatically)
3. Create index on column (manager\_Hiredate) that allow u to cluster the data in table Department. What will happen? -🡪 Use ITI DB
4. Create index that allow u to enter unique ages in student table. What will happen? -🡪 Use ITI DB
5. 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
6. Display Department name with its manager name using cursor. Use ITI DB
7. Try to display all instructor names in one cell separated by comma. Using Cursor . Use ITI DB
8. Try to generate script from DB ITI that describes all tables and views in this DB
9. Using Merge statement between the following two tables [User ID, Transaction Amount]

