SQLServer Lab

Note: Use ITI DB

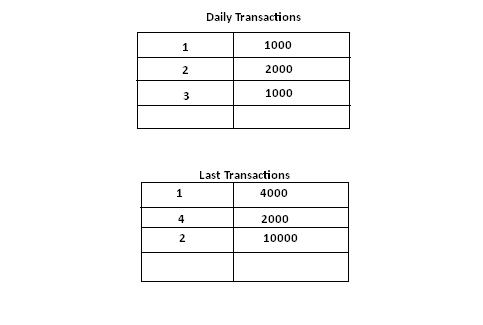
1. Create a view that displays student full name, course name if the student has a grade more than 50.
2. Create an Encrypted view that displays manager names and the topics they teach.
3. Create a view that will display Instructor Name, Department Name for the ‘SD’ or ‘Java’ Department
4. Create a view “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 SD database”
2. Create index on column (Hiredate) that allow u to cluster the data in table Department. What will happen?
3. Create index that allow u to enter unique ages in student table. What will happen?
4. Using Merge statement between the following two tables [User ID, Transaction Amount]



1. Write a query to select the highest two salaries in Each Department for instructors who have salaries. “using one of Ranking Functions”
2. Write a query to select a random student from each department. “using one of Ranking Functions”

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

1. Create view named “v\_count “ that will display the project name and the # of jobs in it
2. Create view named ” v\_project\_p2” that will display the emp# for the project# ‘p2’

use the previously created view “v\_clerk”

1. modifey the view named “v\_without\_budget” to display all DATA in project p1 and p2
2. Delete the views “v\_ clerk” and “v\_count”
3. Create view that will display the emp# and emp lastname who works on dept# is ‘d2’
4. Display the employee lastname that contains letter “J”

Use the previous view created in Q#7

1. Create view named “v\_dept” that will display the department# and department name.
2. using the previous view try enter new department data where dept# is ’d4’ and dept name is ‘Development’
3. 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.