

## **Part 01**

### **Use ITI DB:**

- Create an index on column (Hiredate) that allows you to cluster the data in table Department. What will happen?
  - Create an index that allows you to enter unique ages in the student table. What will happen?
  - Try to Create Login Named (RouteStudent) who can access Only student and Course tables from ITI DB then allow him to select and insert data into tables and deny Delete and update
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## **Part 02**

### **Use MyCompany DB:**

- Create a table named 'ReturnedBooks' With the Following Structure:

User SSN	Book Id	Due Date	Return Date	fees

Then:

- Create A trigger that instead of inserting the data of returned book checks if the return date is the due date or not if not so the user must pay a fee and it will be 20% of the amount that was paid before.

- Create a trigger to prevent anyone from Modifying or Delete or Insert in the Employee table (Display a message for user to tell him that he can't take any action with this Table)
  - Testing Referential Integrity, Mention What Will Happen When:  
Create an index on column (Salary) that allows you to cluster the data in table Employee.
  - Try to Create Login With Your Name And give yourself access Only to Employee and Floor tables then allow this login to select and insert data into tables and deny Delete and update (Don't Forget To take screenshot to every step)
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