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**INSTRUCTIONS**

1. **Write the SQL queries and for all questions below.**
2. **Submit the resulting SQL queries in a .docx file via moodle.**
3. **Use Exercise handout provided in class and the slides on Lab 4.**
4. **NOTE: DO NOT access internet and NO peer guidance.**

**Answer all queries below:**

1. Create a **view** that returns all rows from the **STUDETNS** table and only two columns, the **name** as “**sname**” and **address** as “**saddress**” **(1 point)**
2. Write a **trigger** that checks for age of a professor before inserting it in the PROFESSORS table and returns an error if the age is below 18yrs. To get age from Dateofbirth use DateDiff(Now(),DateOfBirth)/365 **(2 points)**
3. Create a **view** that returns all rows and columns from join of **STUDENTS**, **COURSES** and **TAKE** tables **(1 point)**
4. Write a trigger that makes a backup copy of a record in the TAKE table and saves it in TAKE\_BACKUP whenever that record is deleted from the TAKE table. **(2 points)**  
   Note: Use SQL below to create TAKE\_BACKUP table.  
   CREATE TABLE TAKE\_BACKUP (SELECT \* FROM TAKE WHERE 1 = 2);
5. Write a trigger to keep track of changes made on the GRADE in the TAKE table and saves them in a GRADE\_CHANGE table. **(2 points)**  
   Note: Use SQL below to create GRADE\_CHANGE table.   
   CREATE TABLE GRADE\_CHANGED (  
    SID VARCHAR(45) NOT NULL ,  
    OLDGrade VARCHAR(45) NULL ,   
    NEWGrade VARCHAR(45) NULL );