Assignment & Interview Questions

# Theory Concepts

1. Difference between the View, Function and Stored Procedure?
2. What is Magic Tables or Intermediate tables?
3. How many types of triggers we have in SQL SERVER?
4. Advantage of Stored Procedure?
5. Advantage & Disadvantage of Functions?
6. How many types of functions we have in SQL SERVER?
7. Can we include DML statements in the Functions?

# Practical

1. Trigger
   1. Create a table student with student’s ID,Name,Gender and academic year, current class/grade/.
   2. Create a audit Table so that each year student’s data can be saved in it.
   3. Insert text in Audit table for Insert statement “<Name> has enrolled for <class> in <year>.”
   4. Insert the text in Audit Table for Update Statement like “ <Student Name> has been promoted from <class> to <class> in <academicYear>
   5. Insert the text in Audit Table for Delete statement like “<student> has left the school in <YEAR>”.
   6. All the values defined in <> are the columns names.
2. Trigger
   1. As discussed during class, please use the triggers as shown in the example today. Create a after update trigger in order to store only those columns from the Employee table, which is getting modified via UPDATE statement. Solution is already mentioned and can be fetched from GIT Repo.