Pulse8 Technical Interview

Prerequisite(s):

1. MS SQL Server. If you don’t have MS SQL Server, a free version is available at: https://www.microsoft.com/en-us/download/details.aspx?id=55994

Instructions:

1. Rename Pulse8TestDBSetup.sql.txt to Pulse8TestDBSetup.sql.
2. Please run Pulse8TestDBSetup.sql to setup the test database.
3. Write a query to return a list of all members and all of their corresponding categories:
   1. Please include the following fields: Member ID, First Name, Last Name, Most Severe Diagnosis ID, Most Severe Diagnosis Description, Category ID, Category Description, Category Score and Is Most Severe Category.
   2. **Most Severe Diagnosis ID** and **Description** should be the diagnosis with the lowest Diagnosis ID for each Member/Category.
   3. **Is Most Severe Category—0 or 1--**should return a 1 or 0 to identify the lowest Category ID for each Member (please set this to 1 for Members without corresponding Categories as well). Severity is not based on category score.
   4. This query should return one result for each Member/Category
4. Extra Credit: Write a C# Console Application that prompts for a Member ID and displays the results of query #3 for that Member.