Assignment 4 Part 1

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Part1

1. What is View? What are the benefits of using views?

View is a virtual table which result sets are based on queries. First of all, view can combine several tables based on the query. Because of that, it can hide the complexity of data. Second, views use little space to store since it only store constrains, not the whole table. Third, view can do some security, for example, read-only views.

1. Can data be modified through views?

It depends. View can be set read-only. However, you can modify data through view if we set the permission.

1. What is stored procedure and what are the benefits of using it?

A stored procedure is the prepared SQL code. It can be saved and reused.

1. What is the difference between view and stored procedure?

View is a virtual table which is generated by the query. Stored procedure is SQL code that can be saved and reused, not a table.

1. What is the difference between stored procedure and functions?

First, functions must have return values, but stored procedure is optional. Second, functions only have input variables. However, stored procedure can have both input, and output variables. Moreover, stored procedures can call functions, but functions cannot call stored procedures.

1. Can stored procedure return multiple result sets?

Yes, stored procedures can return several result sets.

1. Can stored procedure be executed as part of SELECT Statement? Why?

Yes, stored procedure can be executed as part of SELECT statement. Usually, we do that when we assign a value to a variable.

1. What is Trigger? What types of Triggers are there?

Trigger is a special type that can run automatically when an event occurs. There are three types of trigger, insert, update, and delete.

1. What are the scenarios to use Triggers?

As far as I know, there are three scenarios to use trigger. First, use triggers before insert data. Second, use triggers after insert data. Third, use trigger when data is modified.

1. What is the difference between Trigger and Stored Procedure?

Stored procedures can be called from outside. However, triggers run automatically when an event occurs within SQL Server.

Part 2

10. Screen Shot

