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

A view is a virtual table based on the result-set of an SQL statement. Views can represent a subset of the data contained in a table, join and simplify multiple tables into a single virtual table, act as aggregated tables, hide the complexity of data and take little space to store.

1. Can data be modified through views?

Yes.

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

A stored procedure groups one or more transact-sql statement into a logical unit, stored as an object in a SQL Server database.

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

A Stored Procedure accepts input and output parameters, can NOT be used as building block in a larger query, can contain several statements, DML, DDL, loops, IF ELSE, etc. Can perform modifications to one or several tables. Can NOT be used as the target of an INSERT, UPDATE or DELETE statement.

A View does NOT accept parameters, can be used as building block in a larger query, can contain only one single SELECT query, can NOT perform modifications to any table, but can (sometimes) be used as the target of an INSERT, UPDATE or DELETE statement.

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

The function must return a value but in Stored Procedure it is optional. Functions can have only input parameters for it whereas Procedures can have input or output parameters. Functions can be called from Procedure whereas Procedures cannot be called from a Function.

1. Can stored procedure return multiple result sets?

Yes.

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

No. It's an option for a stored procedure to return or not return values

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

A trigger is a stored procedure in database which automatically invokes whenever a special event in the database occurs.

Types: DML Trigger, DDL Trigger, Loggon Trigger

1. What are the scenarios to use Triggers?

Log table modifications and enforce complex integrity of data.

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

A stored procedure is a user defined piece of code written in the local version of PL/SQL, which may return a value (making it a function) that is invoked by calling it explicitly. A trigger is a stored procedure that runs automatically when various events happen.