Assignment 06

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**Introduction**

This paper will be explaining the purpose of a SQL view, the differences and similarities between View, Function and Stored Procedure used in SQL Server.

**Topics**

1. Explain when you would use a SQL View.

When your SQL Select statements become complex, you may decide to save them in a text file for repeated use. Alternatively, you can use SQL View, Function, or Stored Procedure to save your Select statements within a database's file. You can join multiple tables in a view and use the view to present the data as if the data were coming from a single table.

1. Explain are the differences and similarities between a View, Function, and Stored Procedure

**Similarities:**

* All the three joins are used to combine tables, it depends on the relationship between tables.
* They are used to retrieve data from multiple tables.

**Differences:**

* A **Stored** **Procedure** accepts parameters, cannot be used as building block in a larger query and can perform modifications to one or several tables. A procedure can return zero or n values. Procedures can have input or output parameters.
* A **View** does not accept parameters, can be used as building block in a larger query and cannot perform modifications to any table. A view returns a specific pre-defined statement as exactly one result set.
* A **function** returns a single values or a single result set. Functions can have only input parameters. Functions can be called from Procedure whereas Procedures cannot be called from a Function.

Summary

In conclusion, the Views, Functions and Stored Procedures used in SQL are of foremost importance in order to update, manipulate and maintain the data in a database, or retrieve data from a database.