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Course: Foundations of Databases and SQL Programming

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## Assignment 06

### Introduction

For this assignment I will explain when I would use SQL View, and the differences between a View, Function, and Store Procedure.

#### 1. Explain when you would use a SQL View.

The function VIEW can be used to create a view of the tables. A VIEW shows columns from different tables as one table. The VIEW statement helps to protect data or share only the data that we want to share. For example if we have sensitive information that we do not want to share with the public or particular team members we can control this data by creating a view.

#### 2. Explain the differences and similarities between a View, Function, and Stored Procedure.

The differences between a VIEW, a FUNCTION and STORED PROCEDURE are: A VIEW is created to show a digital table or part of tables as one. A FUNCTION is created to obtain an answer or a table of answers. FUNCTIONS should return a result. FUNCTIONS generally work with input parameters. STORED PROCEDURE is created to save or to store SQL statements as a group. STORED PROCEDURE can be used to share a group of statements between different programs. STORED PROCEDURE can be used to copy the same code many times. The similarity between a VIEW, a FUNCTION and STORED PROCEDURE is that they all work with select statements. The STORED procedure works with select statements, however it is not restricted to a select statment.

## Summary

The different types of Statements as Views, Functions and Stored Procedure that we had seen in this module are really important for selecting and reporting data. These statements are also important because they help to simplify the way of sharing tables and copy codes.