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Course: IT FDN 130 A Sp24: Foundations of Databases & SQL Programing

Assignment06: Views, Functions and Stored Procedures

Introduction

The way to structure, organize and store data has always been the matter of study for the academic entities. In our time it is a fundamental part for investigation, industry, and business, where specialists dedicate extensive hours to find the relationships between the specific data and information to make decisions.

In this module I learnt how to use Views, Functions and Stored Procedures.

Questions

1. Explain when would you use a SQL View.

A view is a select statement that is used to save code so we can use it later on. Views are used to create a data report.

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

- Similarities:
 - They are objects stored in a database.
 - We can use them store code to be reused.
- Differences:
 - Views are used to simplify the code.
 - Functions are created to encapsulate various statements to recreate specific tasks and return a single value.
 - Stored Procedures are a compilation of statements that return multiple values

Summary

It is interesting to note that the transactions in SQL Server are used to enhance a database's design to maintain the data integrity and restrict the input of data to the users. This is an important part of the design which standardizes the processing of the information. Joins are an important part of the functionality because they allow us to use different tables at once to organize and manipulate the data.