Alexandra Ralevski

Nov. 20, 2020

Foundations of Databases

Assignment 06

https://github.com/ARalevski/DBFoundations

SQL Views, Functions and Stored Procedures

# Introduction

In Module06, I will be learning about the differences and similarities between SQL Views, Functions, and Stored Procedures. I will also learn why Views are important and when it is appropriate to use them.

# SQL Views, Functions, and Stored Procedures

As the code you write becomes longer and more complex, it may make sense to save it to a text file so it can be used again later. You can save this code within a database as a SQL View, Function, or Stored Procedure. Views allow you to split data by rows or columns, and also allow for access restriction to certain groups. They also help to protect your data by not allowing access to the table itself, which helps to prevent it from being altered intentionally or unintentionally.

Functions are similar to Views, but they allow filtering parameters to be included in their definition. Stored Procedures have the same functionalities as Views and Functions, but they operate as a named set of SQL statements. They also allow the programmer to insert, update and delete statements.

# Summary

In summary, Views are an important way to protect data in SQL, as well as a helpful way to quickly allow or deny access to data by certain groups. It also saves time by saving groups of Select statements for future use.