Adam Gibbs

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Assignment 06

Module 06 – Creating Views

1. Explain when you would use a SQL View.

Creating views in SQL gives the coder a lot of control and options. Views can be used to create a publishable product, control who in the organization gets to see what data, and allows users to see and interact with the data without impacting the actual tables. A view is a representation of the data in a database. As such, users can view and manipulate the viewed data without harming the actual data tables.

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

View, as discussed above, allow for a virtual query of the data. Vies do not accept parameters and can not perform modifications to any table. Functions are much like views, however they can accept parameters and can be used to return a single value as an expression (Scalar Function). Both views and functions can also be used to build larger queries. Stored procedures accept parameters and are used to execute script within the stored procedure. This means they can be used to modify tables as well as return a selection of data. Stored Procedures cannot be used as a building block for larger queries.