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**Foundations of Programming: SQL**

**Assignment 06**

**SQL Views**

**Introduction**

In this paper we describe when to use a SQL view as well as the difference and similarities between View, Function, and Stored Procedures.

**When to use a View?**

In SQL, a view allows the database administrator to restrict access to tables and create views that will allow user to interact with the data presented in that view. In a way, this mitigates user error and supports data integrity.

**Views, Functions, and Stored Procedures**

Much like Views, Functions use common Select statements to view data within a database; however, a Function will allow a user to set parameters to the queried data, but this too can be accomplished in a View by using a Where clause. Musch like a View or a Function, a Stored Produce due will also return the results in a table, but a Stored Procedure is oftentimes used to call and execute a stored SQL command.

**Conclusion**

In conclusion, Views, Functions, and Stored Procedures have similarities but can each serve distinct purposes when it comes to maintaining data integrity by limiting the access to your tables with views or by streamlining execution calls with Stored Procedures.