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IT FDN 130 A

Assignment 06

1.Explain when you would use a SQL View.

Instead of saving complex SQL statements as text file for reuse later on, one can actually save your select statements within a database file as SQL view for reuse. For reporting purpose, one can use ‘reporting view’ to extract data for reporting. Also, views can be used to partition data as well, both by rows and by columns. Views can also be a way to add protection to private data by permission, so only certain groups of people have access to that data in the view.

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

For SQL view, it is ‘Named’ select statement whose code is stored in database.

For function, it is similar to SQL view, but can be customized, so it is often referred to as user defined functions. Different from view, functions allow use of parameters to change the results of query.

For stored procedures, it is similar to SQL view and function because it is also a named set of SQL statements. However, unlike SQL view, stored procedure is not restricted to just Select statement.