 Reporting from a Star schema is simpler than reporting from a normalized online transactional processing (OLTP) schema. What are the reason(s) for wanting simpler reporting?

a. A Star schema has better support for numeric data types than a normalized relational schema; therefore, it is easier to create aggregates.

b. A Star schema typically has fewer tables than a normalized schema. Therefore, queries are simpler because they require fewer joins.

c. There are specific Transact-SQL expressions that deal with Star schemas.

d. A Star schema does not have attribute hierarchy. Therefore, join operations are not needed

step 1: Answer

b. A Star schema typically has fewer tables than a normalized schema. Therefore, queries are simpler because they require fewer joins.

Step 2: Explanation

Data mining methods frequently involve OLAP applications. Aggregated historical data is kept in multi-dimensional schemas in OLAP databases (usually star schema).

Star schemas facilitate online analytical processing (OLAP)cubes, analytic applications, ad hoc queries, and business intelligence. They are optimised for querying huge data sets, data warehouses, and data marts (BI). They also enable quick aggregates of numerous fact records using count, total, average, and other methods.

Which of the following statements are true? (choose all that apply)

a. SQL Server Data Tools (SSDT) is a special edition of Visual Studio used for developing SQL Server solutions, such as SSIS packages and SSAS multi- dimensional models.-

b. An SSIS project can contain exactly one SSIS package.

C. SSIS packages contain programmatic logic used in data movements and data transformation operations.

d. SSDT is a special edition of the SQL Server Management Studio, designed to provide an improved user experience to developers who are not particularly familiar with database administration.

Step 1: Answer

SQL server data tools (SSDT) is a special edition of visual studio used for developing SWL server solutions such as SSIS packages and SSAS multi-dimensional models  
  
SSIS packages contain programmatic logic used in data movements and data transformation operations

Step 2: Explanation

The Business Intelligence Developer Studio (BIDS) product from Visual Studio 2008 is simply being repackaged. SSDT supports the standard BIDS project types for SQL Server Analysis Services (SSAS), Reporting Services (SSRS), and Integration Services in addition to the new database tools (SSIS).

One or more packages and other SSIS components are contained in an SSIS project.

The elements required to carry out a particular ETL process, including as the connection manager, tasks, control flow, data flow, parameters, event handlers, and variables, are included in a SQL Server Integration Services (SSIS) package.