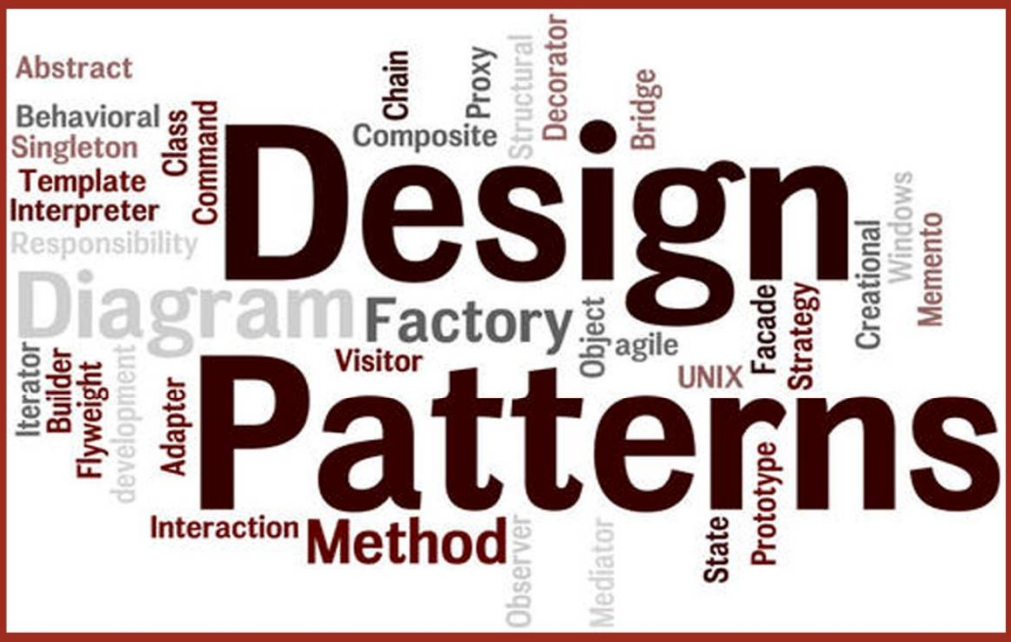
JAVA means DURGA SOFT

Design Patterns

Core Level Design Patterns

10. Fast Line Reader



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Fast Line Reader

Sometimes applications access data in a tabular fashion, such as when browsing a catalog or a list of names or when exporting data in batches for use elsewhere. This kind of data access is usually read-only. In such situations, using entity beans to represent persistent data incurs overhead and provides little benefit. Entity beans are best for coarse-grained access to individual business entities, and are not effective for read-only access to large quantities of tabular data.

The Fast Lane Reader design pattern provides a more efficient way to access tabular, read-only data. A fast lane reader component directly accesses persistent data using JDBC components, instead of using entity beans. The result is improved performance and less coding, because the component represents data in a form that is closer to how the data are used.

EJB components & Hibernate persistence logics are called as OR (Object Relational) Mapping persistence logics. Since EJB components are distributed components so their persistence logic can be accessed from remote clients also.

Hibernate is not a distributed technology so its persistence logic cannot be accessed from remote clients. To access the hibernate logic from remote clients also we need to keep hibernate persistence logic in EJB components like Session Bean component.

Problem: If java client application takes the support of EJB entity components or hibernate persistence logic to interact with database software then that process may kill the performance of the application.

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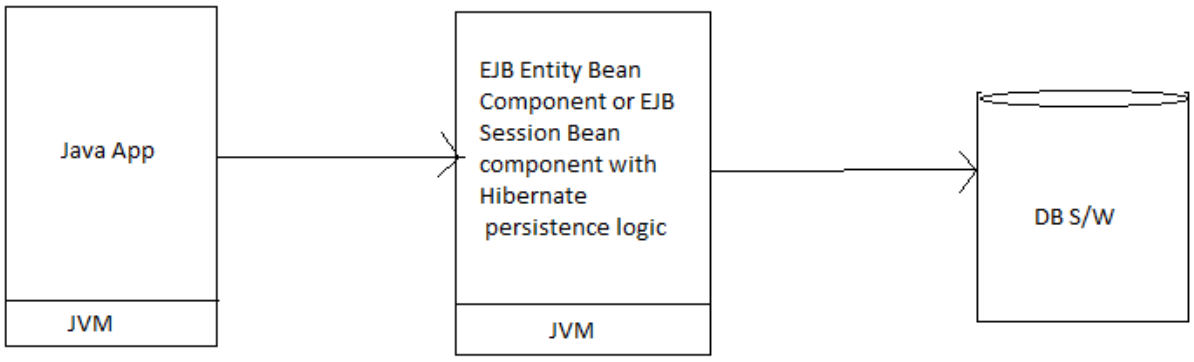
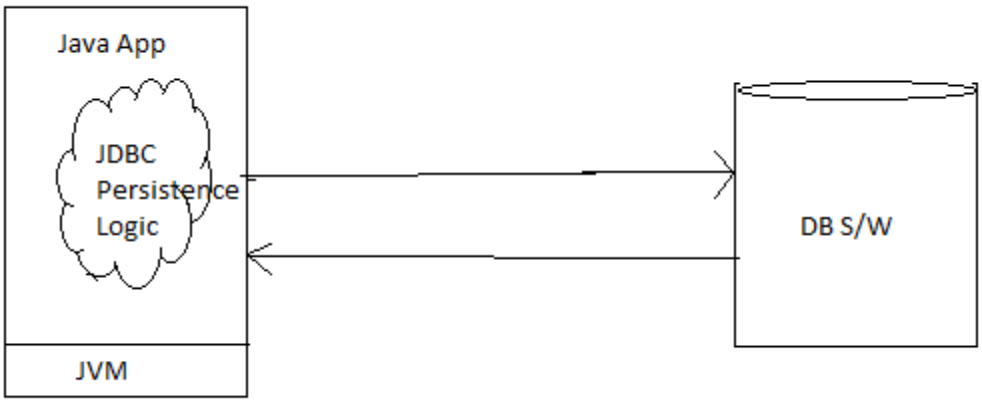


Solution: Use Fast Line Reader design pattern. This makes java application to take the support of JDBC persistence logic directly to interact with the database software.



Note: Fast Line Reader design pattern is useful when you requirement is mainly **performance.**

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