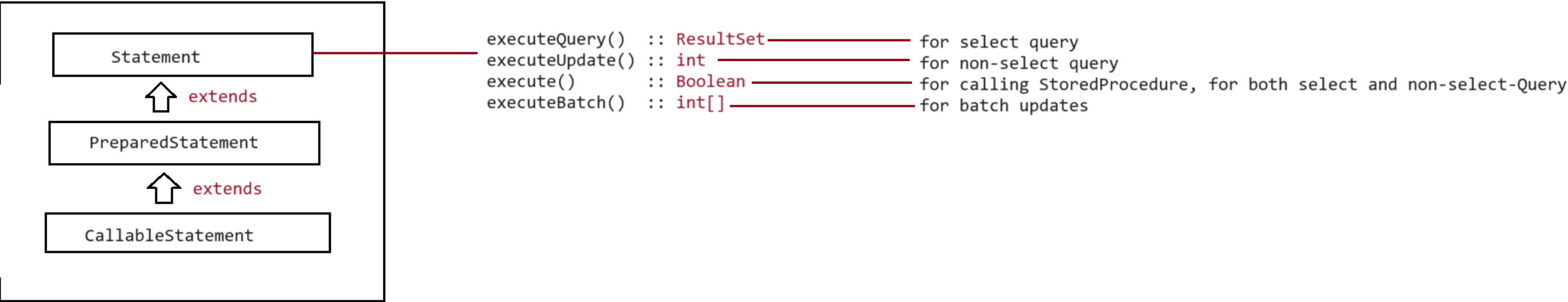
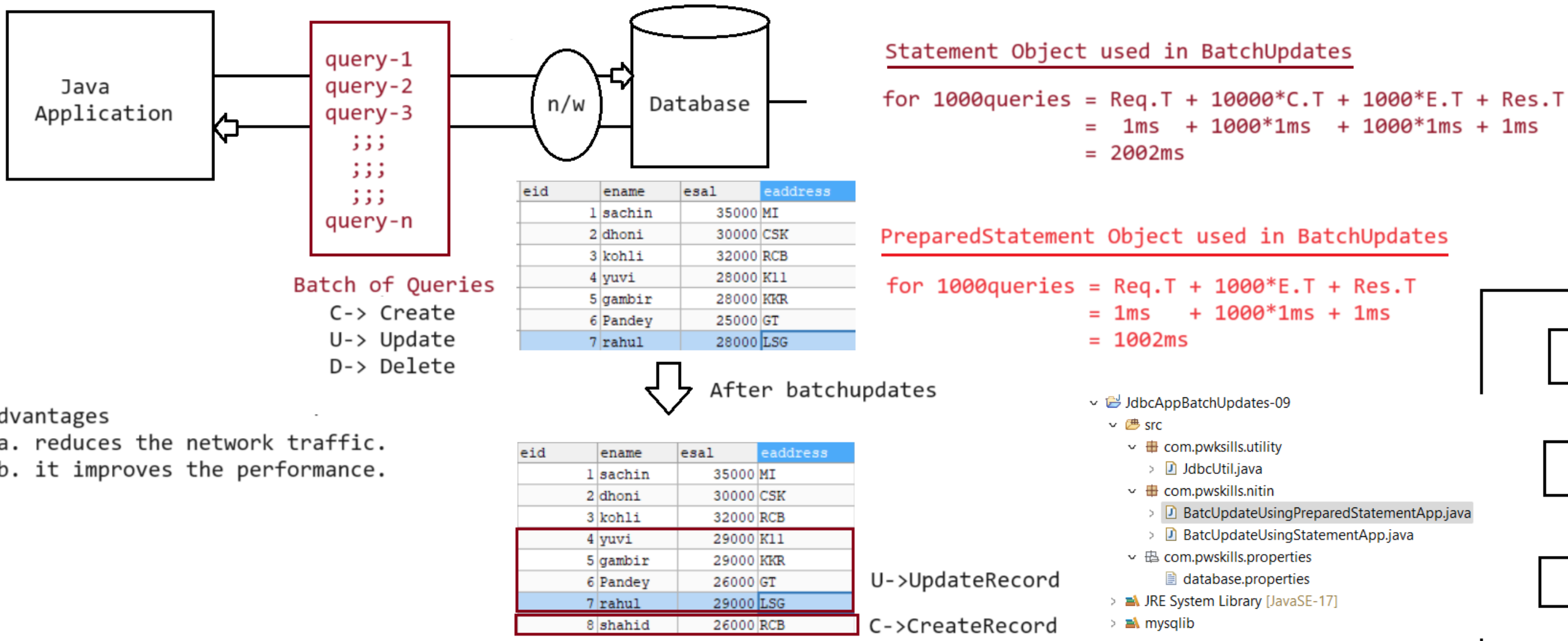


In the above 2 cases, we are trying to submit 1000queries one by one to the database.
For submitting 1000 queries we need to communicate with database 1000times.
This would increase the **network traffic** b/w java application and database, which would create a performance issue.

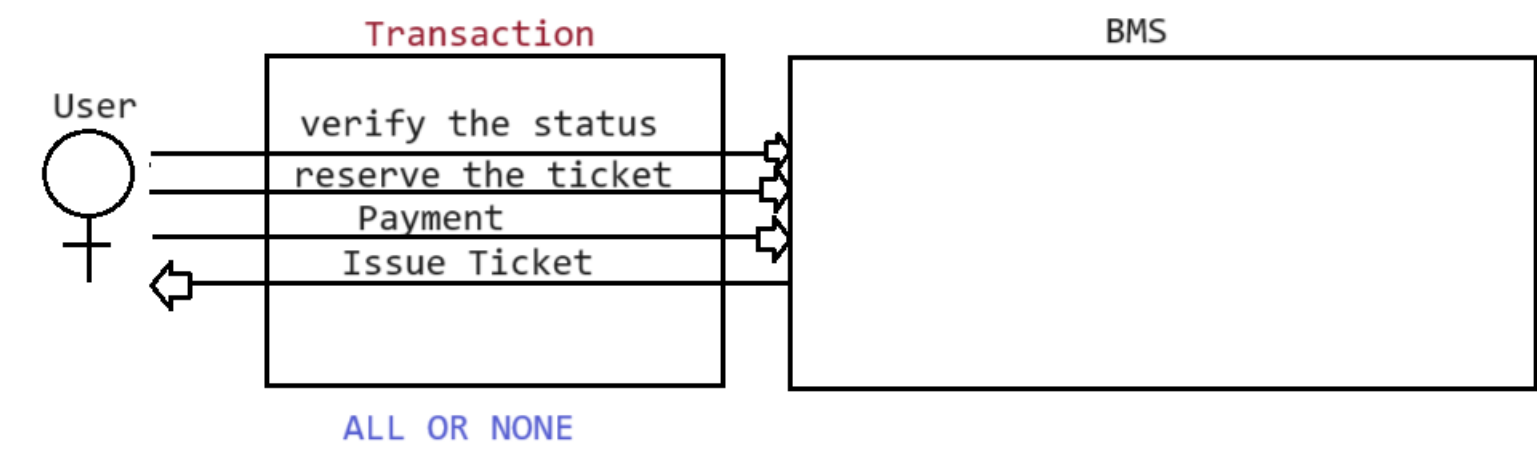
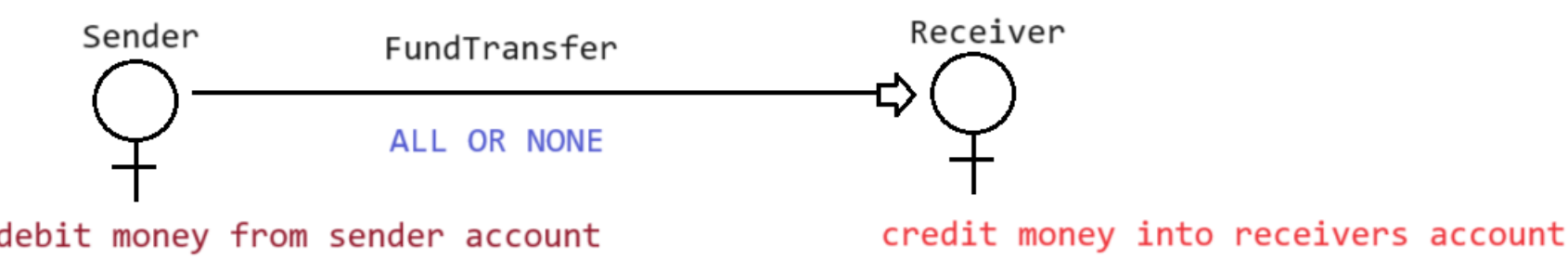
Solution :: BatchUpdates



Limitations w.r.t BatchUpdates

- We can use BatchUpdate only on Non_SelectQuery, if we try to use on SelectQuery it would result in "Exception"
- In case of BatchUpdate if one query fails,remaining queries won't be executed.

"Transaction Management".



"Process of combining all the related operations into Single Unit and executing on the rule **EITHER ALL OR NONE** is called "Transaction Management".

TransctionManagement means single unit of work on the rule called **EITHER ALL OR NONE**

Transaction

- Local Transaction
- Global Transaction

Local Transaction => transferring money from one account to another account where both the accounts are present in same bank.

Global Transaction => transferring money from one account to another account where both the accounts are in different bank.

Transaction Properties

A => Atomicity :: All operations should be done or none.
C => Consistency :: It ensures bringing database from one consistent state to another consistent state.
I => Isolation :: Ensures the transaction are isolated from other transactions.
D => Durability :: Once transaction is committed, then the results are permanent even in case of catastrophic failures.