Abstract

In a multiuser database environment, multiple simultaneous transactions may update the same
data. Transactions executing simultaneously must produce meaningful and consistent results.
In multiuser database environment conflicts are common. If conflicting situations are not dealt
properly then it can harm the database. To minimize the concurrency problem the locking
approach is used. Our study focus on implementation of optimistic lock through trigger on data
objects of temporal database to resolve the conflicts among multiple user sessions. Through
step by step graphical representation this study highlights how to acquire and release an
optimistic lock on data objects in case of conflict. This experimental study shows each locking,
unlocking situations along with conflicting situations graphically through Oracle 12C enterprise
manager.

References

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**Index Terms**

Computer Science  
Databases
Keywords

CC, PCC, OCC, RCN, Oracle 12c.