

Explanation of results obtained in Exercise 2

The result for isolation levels:

1. Read committed: As we read only "committed" updates and the transaction T2 was committed, we got the identical results. But when we update accounts balance in transaction T1, update in a concurrent transaction T2 gets stuck before commit or rollback in one selected.
2. Repeatable read: Since the transaction T1 is not yet committed, we obtained different results. When we try to update balance in T1, we encounter an error in the first transaction, because it is unable to serialize access due to concurrent updates.

The result for isolation levels:

1. Read committed: Since T1 was committed before T2, the balance changed that was made in T1 for Bob was rewritten by the changes in T2.
2. Repeatable read: Since T1 was committed before T2, the balance changed that was made in T1 for Bob was rewritten by the changes in T2.