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Question: For the following two transactions and the initial table values ...

For the following two transactions and the initial table values as shown complete the missing blanks in the transaction log below:

Part_ID	Desrption	OnHand	OnOrder
57	Assembled Foo	5	0
987	Foo Fastener	12	7
989	Foo Half	7	0

BEGIN TRANSACTION;
UPDATE Part SET OnHand = OnHand + 7, OnOrder = OnOrder - 7 WHERE Part_ID = 987;
COMMIT;

BEGIN TRANSACTION;
UPDATE Part SET OnHand = OnHand - 4 WHERE Part_ID = 987;
UPDATE Part SET OnHand = OnHand - 2 WHERE Part_ID = 989;
UPDATE Part SET OnHand = OnHand + 1 WHERE Part_ID = 57;
COMMIT

TRL_ID	TRX_ID	PREV_PTR	NEXT_PTR	OPERATION	TABLE	ROW ID	ATTRIBUTE	BEFORE VALUE	AFTER VALUE
1787	109	NULL		START	****				
1788	109	1787		UPDATE	PART	987	OnHand	12	
1789	109			UPDATE	PART	987	OnOrder	7	
1790	109		NULL	COMMIT	****				
1791	110	NULL		START	****				
1792	110			UPDATE	PART	987	OnOrder		
1793	110			UPDATE	UPDATE		OnOrder	7	5
1794	110			UPDATE	UPDATE		OnOrder	5	6
1795	110		NULL	COMMIT	****				

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Expert Answer

Jack Taylor answered this
670 answers

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57	Assembled Foo	5	0
987	Foo Fastener	12	7
989	Foo Half	7	0

Consider the following set of transactions:

BEGIN TRANSACTION;

UPDATE Part SET OnHand = OnHand + 7, OnOrder = OnOrder - 7 WHERE Part_ID = 987;

COMMIT;

BEGIN TRANSACTION;

UPDATE Part SET OnHand = OnHand - 4 WHERE Part_ID = 987;

UPDATE Part SET OnHand = OnHand - 2 WHERE Part_ID = 989;

UPDATE Part SET OnHand = OnHand + 1 WHERE Part_ID = 57;

COMMIT;

The following is the table after filling the blanks by following the provided transactions:

TRL_ID	TRX_ID	PREV_PTR	NEXT_PTR	OPERATION	TABLE	ROW ID	ATTRIBUTE	BEFORE VALUE	AFTER VALUE
1787	109	NULL	1788	START	****				
1788	109	1787	1789	UPDATE	PART	987	OnHand	12	19
1789	109	1788	1790	UPDATE	PART	987	OnOrder	7	0
1790	109	1789	NULL	COMMIT	****				
1791	110	NULL	1792	START	****				
1792	110	1791	1793	UPDATE	PART	987	OnHand	19	15
1793	110	1792	1794	UPDATE	PART	989	OnHand	7	5
1794	110	1793	1795	UPDATE	PART	57	OnHand	5	6
1795	110	1794	NULL	COMMIT	****				

Explanation:

The PREV_PTR in the table is equal to the TRL_ID-1 whereas the NEXT_PTR is equal to the TRL_ID+1.

For the first transaction,

- For ROW ID 987, update the OnHand value by adding 7 to it and update the OnOrder value by subtracting 7 from it. Placed the respective values in the above table.

For the second transaction,

- For ROW ID 987, update the OnHand value by subtracting 4 from it. In the previous transaction, the OnHand value for ROW ID 987 is updated to 19. Now, in this transaction the value becomes 19-4 i.e., 15.
- For ROW ID 989, update the OnHand value by subtracting 2 from it.
- For ROW ID 57, update the OnHand value by adding 1 to it.

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Q: Hi, For the following two transactions and the initial table values as shown complete the missing blanks in the transaction log below: Part_ID Description OnHand OnOrder 57 Assembled Foo 5 0 987 Foo Fastener 12 7 989 Foo Half 7 0 BEGIN TRANSACTION; UPDATE Part SET OnHand = OnHand + 7, OnOrder = OnOrder - 7 WHERE Part_ID = 987; COMMIT...

A: [See answer](#) 100% (9 ratings)

Q: For the following two transactions and the initial table values as shown complete the missing blanks in the transaction log below: Part ID Description OnHand OnOrder 57 Assembled Foo 987 Foo Fastener 12 989 Foo Half 7 0 BEGIN TRANSACTION UPDATE Part SET OnHand = OnHand + 7, OnOrder = OnOrder-7 WHERE Part-ID = 987; COMMIT BEGIN TRANSACTION UPDATE Part SET OnHand = OnHand-4 WHERE Part-ID=...

A: [See answer](#)

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Q: Can someone help me with this! Appreciate it!!

A: See answer100% (22 ratings)

Q: For the following two transactions and the initial table values as shown complete the missing blanks in the transaction log at the very bottom of the page: Part_ID Description OnHand OnOrder 57 Assembled Foo 5 0 987 Foo Fastener 12 7 989 Foo Half 7 0 BEGIN TRANSACTION; UPDATE Part SET OnHand = OnHand + 7, OnOrder = OnOrder - 7 WHERE Part...

A: See answer

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