15/01/2022

DBMS - Term Test 2

Solutions: 1) A transcation is a single logical unit of work which accesses and possibly modifies the contents of a dotabase 2) A transcation is a very small unit of program and it may contain several lowlevel keys tasks. A transcation in a database system most contain Atomicity, Consistency, Isolation and dusability - commonly known as ACID properties - in order to ensure accuracy, completeness and data integrity. 3) Example: let say your account in A and your friend's account is B you are transferring 10000 from A to B, the steps of transcations are: P(A); A = A - 10000) W(A); R(B); B=8+10000;

In the above transcation R refers to the read operation and w refers to write operation.

W(B);

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4) ACID transcations ensure the highest possible data reliability and integrity. They ensure that your data

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never falls into an inconsistent state because of an operation that only pastially completede. 5) For example, without ACID transcations, if you were writing some data to a database table, but the power went out unexpectedly, it's possible that only some of your data would have been saved, while some of it would not. Now your database is in an inconsistent state that is very difficult and time consuming to recover from 1) RI(A,B,C,D,E,F,C,H,I,J,K,L) (AFI)+ = & ABCDEFIJKLGHZ . (AFI) is candidate key. In 3NF partial and transitive functional dependencies are not allowed. A -> BCDE F -> CH are partial dependency so to convert the relation schema into 3NF FOR EDUCATIONAL USE Sundaram lage 2

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4)	Select * from Ticket where customer . city = 'mumbal';
	Beleat Man Make Break Costomer 1911
e)	Alter table costomer
	Add contact - number BIGINT;
	The state of the s
(+	Select Count (*) from ticket
	where ticket customer-id = customer customer-id;
0	
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