CHALMERS EXAMINATION/TENTAMEN

Course code/kurskod	Co	ourse name/kursnamn		
DIT032	Data	Manageme	nt	
Anonymous code Anonym kod		Examination date Tentamensdatum	Number of pages Antal blad	Grade Betyg
735		2019-08-21	6	6

^{*} I confirm that I've no mobile or other similar electronic equipment available during the examination.

Jag intygar att jag inte har mobiltelefon eller annan liknande elektronisk utrustning tillgänglig under eximinationen.

Solved task Behandlade uppgifter No/nr	Points per task Poäng på uppgiften	Observe: Areas with bold contour are to completed by the teacher. Anmärkning: Rutor inom bred kontur ifylles av lärare.
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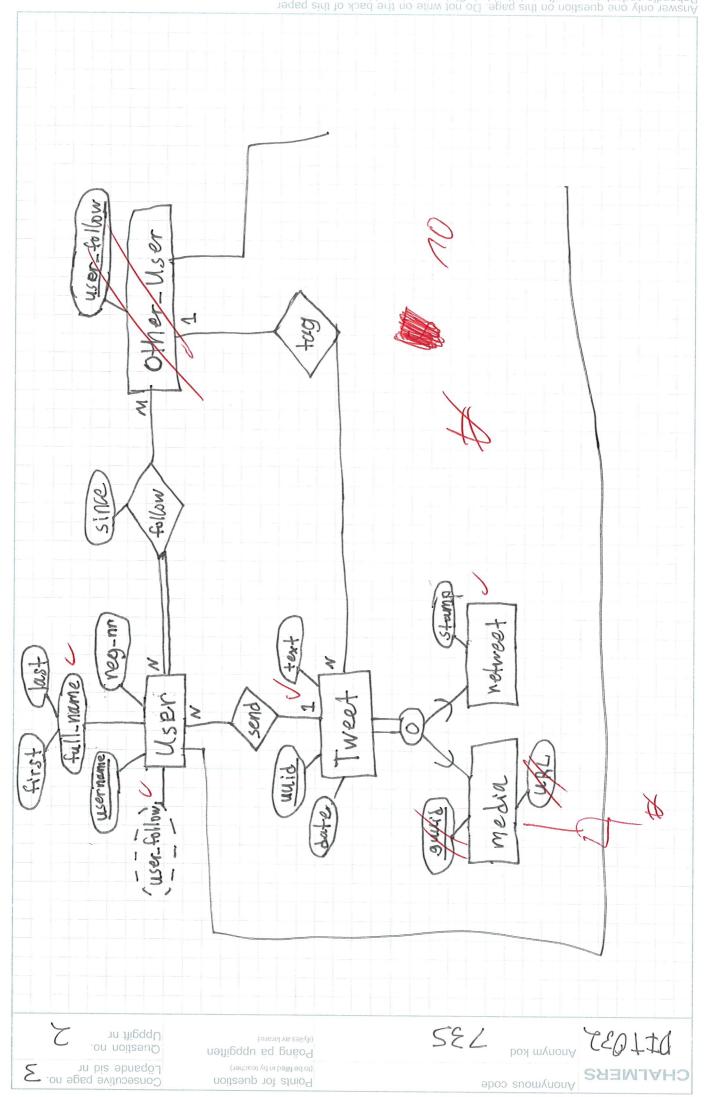
Anonym kod 735 Poäng på uppgiften

Uppgift nr

- 1.4) We want to avoid redundancies because they cause performance and stability issues. Redundancies such as disk space build up and data corruption cannot be fully avoided. 2
- 1.5) Transactions are an atomic set of statements where all or none of the statements are exacted implimented. Transactions solve the problems of databases and their data being durable through out foulures, being concistant, and concurrent. 2 & 5962
 - 1.6) Replecation is a system designed to assign tasks between nodes and manage data processing. It solves the problem with performance improving but it does not solve the problem of data fragmentation
- 1.7) The CAP theorem usually requires 2 of the follow at the same time: consistancy, availability for updates, and partition tolerance. Relational databases usually require the first of those two functions: consistancy and partition tolerancy.

7.8 #





Consecutive page no. 4 Points for question CHALMERS Löpande sid nr Anonym kod Poäng på uppgiften DIT 032 735 Uppgift nr PERSON (name, birthday) PERSON-IN-ADDRESS (person, city, street, nr, zip) person -> PERSON. name ¿ city, street, nr, zip3 -> ¿address. city, address. street, address.nr, address.zip3 BOOK (ISBN, year, title, author) READER_READS-BOOK (book), gursu) book -> BOOK, ISBN