## CHALMERS EXAMINATION/TENTAMEN

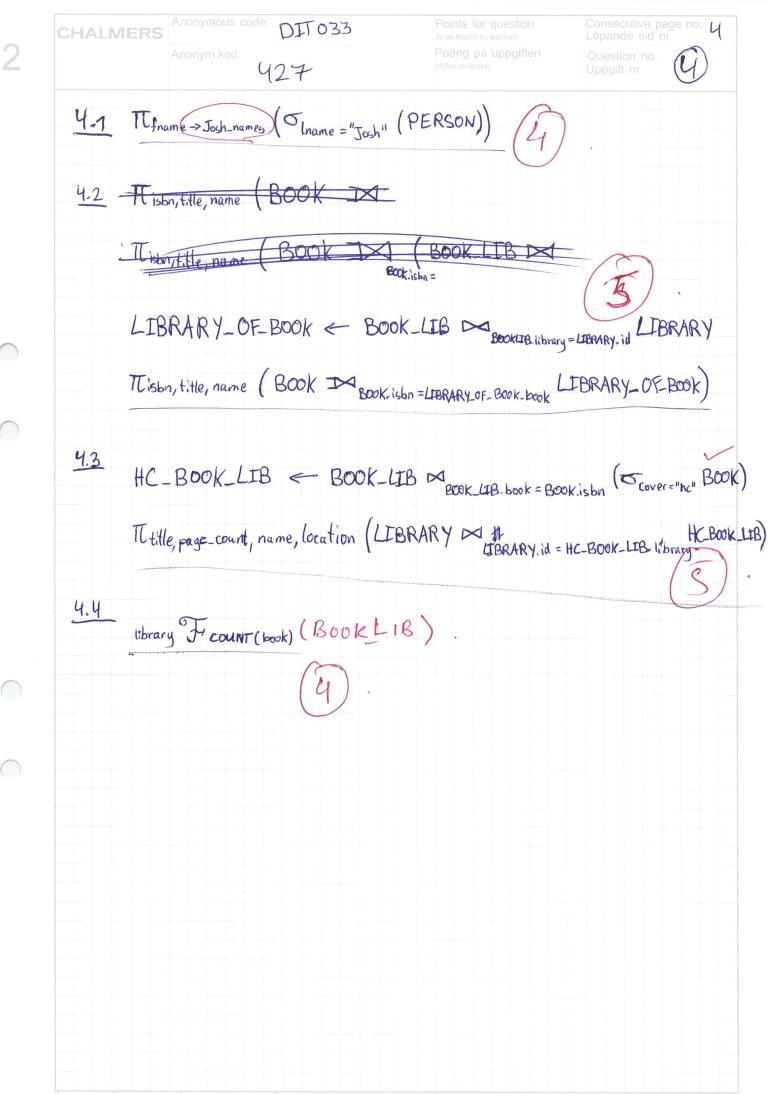
Course code/kurskod	Course name/kursnamn			
DIT 033	Data Management			
Anonymous code Anonym kod	1	Examination date Tentamensdatum	Number of pages Antal blad	Grade Betyg
427	,	22-06-09	6	5.

<sup>\*</sup> 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.
1	X	14.5	
2	X	20	
3	X	12.	
4	X	18.	
5	X	20.	7
6	X	6.	
7			)
8			3
9			
10			
11			
12			
13			
14			
15			
16			
17			
Bonus poäng			
Total exam points Summa poi på tentame	ination ing	90.5	

Cl	HALMEI	Anonymous code	D\$T 0 33	Points for question (to be filled in by feacher)	Consecutive page n Löpande sid nr	0. 1
		Anonym kod	427	Poäng på uppgiften (ifylles av lärare)	Question no. Uppgift nr	1
	3	xample: A car	room cannot in be found in que, but together	y that cannot a unique key but the other entire exist without a large room numbers with the address	building it ser is not glok of the building	sally it is.
				the dasage minimum to be stored as jects. Additionall		
6	3.5) (	Instructured type of stru specified attri attribute can	data can be of cture, Structur butes in the sch only store on	ed data is very oma can be sto e value.	t enforces no strict and o red. Also eac	only h
	1.3	A full table check for a ce Example: SEL	scan goes o Hair query. ECT * FROM	ver all the en	tries in a table	to
	1.4	Views allow y making it easi Types: windo	on to give a new to understands w view, mounta	iame to the re-	sult of a queries.  en - no, I b	lery,
	1.5			happens fully or no		P
	u)	Consistency - t Isolated -	the results of an each transaction	action should be should be isolated to the	e consistent and independent,	from others.
	1.6			data in shords relations are so spaces (I believe that allows you to be first shard to the hon most of the to no relation		
		To find which function is	h shard to as used, probably by	ik for the data so looking at a p	a mapping art/hash of th	e ids

CHALMERS DA 033	(to be filled in by teacher)	Löpande sid nr 3
Anonym kod 427	Poäng på uppgiften (ifylles av lärare)	Question no. Uppgift nr
CONFERENCE (name, location	on edition start-do	to enddate)
DELEGATE (registration-numbe	r, name, country, do	ate-of-birth, organization
ATTENDS (conference, delegate,	reg-date)	
conference > CONFERE delegate > DELEGATE. rea	NCE. name jistration_number	
TRACK (conference, name, d	late, start-time, end.	time, chair)
conference -> CONFERE chair -> DELEGATE. regist	NCE, name ration-number	
PRESENTATION (conference, train	ck, title, start-time,	precenter)
{ conference, track} -> presenter -> DELEGATE.	{ TRACK eonference registration _ numb	, TRACK.name z
Notes:	medent	
- Creating an own table umnecisarily complex, especie clear single key candidate.	for conference durated ally since it are only	tions would make it two values with no
- One table for all seem track chair only adds a attribute for all track ch	is the best approa single attribute. mairs (an be easi	ch for delegate since The existance of this ly checked in a hook.
approach	table is a but It so	round have
attribute	15 - chair	and
is-present	er,	
Answer only one guestion on this page. Do not write on the bac	k of this paper	



DITO33 CHALMERS 427 5.1 CREATE TABLE PERSON ( SSN NUMBER PRIMARY KEY, L fname VARCHAR (64), ~ Lname VARCHAR (64), dob DATE, location VARCHAR (64), FOREIGN KEY location REFERENCES CITY (name), CHECK (dob & to-date ("2004-06-09")) (dob < 10004-06-00 ); SELECT frame, lname, location FROM WHERE location LIKE "x. koping"; SELECT Litle, Location FROM BOOK\_LIB
INVER JOIN BOOK ON BOOK\_LIB. book = BOOK. isbn
INVER JOIN LIBRARY ON BOOK\_LIB. Cibrary = LIBRARY. id; SELECT count (isbn) FROM LIBRARY 5.4 INVER JOIN BOOK\_LIB ON LIBRARY.id = BOOK\_LIB. library INNER JOIN BOOK ON BOOK\_LTB. book = BOOK.isbn WHERE Location = "Gothenburg" AND cover = "SC";

HALMERS	Anonymous code pro33	Points for question (to be filled in by teacher)	Consecutive page no. Löpande sid nr
	Anonym kod 427	Poäng på uppgiften (ifylles av lärare)	Question no. Uppgift nr
6			
1. conte	erence is missing its clos	the > at the end	of the occurrent too
3. the	erence is missing its clos first presentation misses t title of the first presental first presentation misses	tion should be in que	ites "
The doub	sle id at the second pre	sentation is a semantic	error, not a syntact
			areal error.
		il	new
		and	per .
		>0	