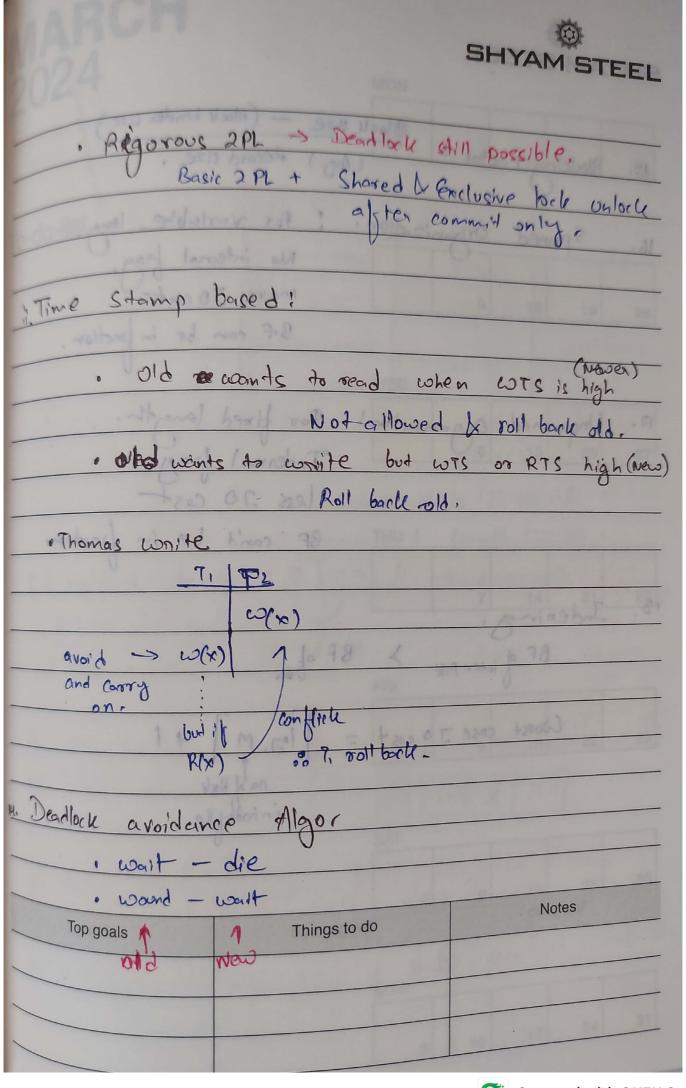
1. Arity Degree: No. of columns attribute. Cardinality: No. of tuples, No. of non-Trival F.D formation. Let R(A,B,X) 30, and of 201+2627 3Co and of C, 6 may take NULL values, preserving Dependency 5. Properties of Decomposition Lossless Join-4-3BC, C-18 BINF 3NF 2NF INF Won prime attribulal 2. Non prime proper subset 3 - proper subset of another (4 of one cu Notes Top goals Things to do 4. Super key

off not committed and crashed - redo. Recovery Management Component i. Dunability: - RAID: Redundant Array of Independent Franciston Isolation: Serial i concurrent (> Concurrency Control Component Consistency: Concurrency Control Compt & 21 not committed & chashed - undo. committed & cracked -> sedor recoverable. w(A) (A) W w(n)@ RA commit Jorecoverable. Things to do Top goals

	about the house to be to have been as I	400 Jr.
10. Cascading Roll	back -> problem coR	Marine Marine
Caccacina		
11. Cascadless recove	enable sch -> NO WR allow	wed_
And the second s	187: RATE : Redordent	
12. Strick u	> No wa k was o	llowed.
Not fre	er from RW but not a pr	blen_
	two concerns i concernent	holes, a
13. Concomences Con	nteol protocols	
i. Lock base	tenent Concurrency Control 5	ind)
- Basil	c 2PL	
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Street = > In	recoverable	0
	dlock> storration	ricenta.
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and Endustage	no holds	1
lack unlocks	wait	(010)
after commit (1) (1) (1)	prove into.	111
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Top goals	Things to do	Notes
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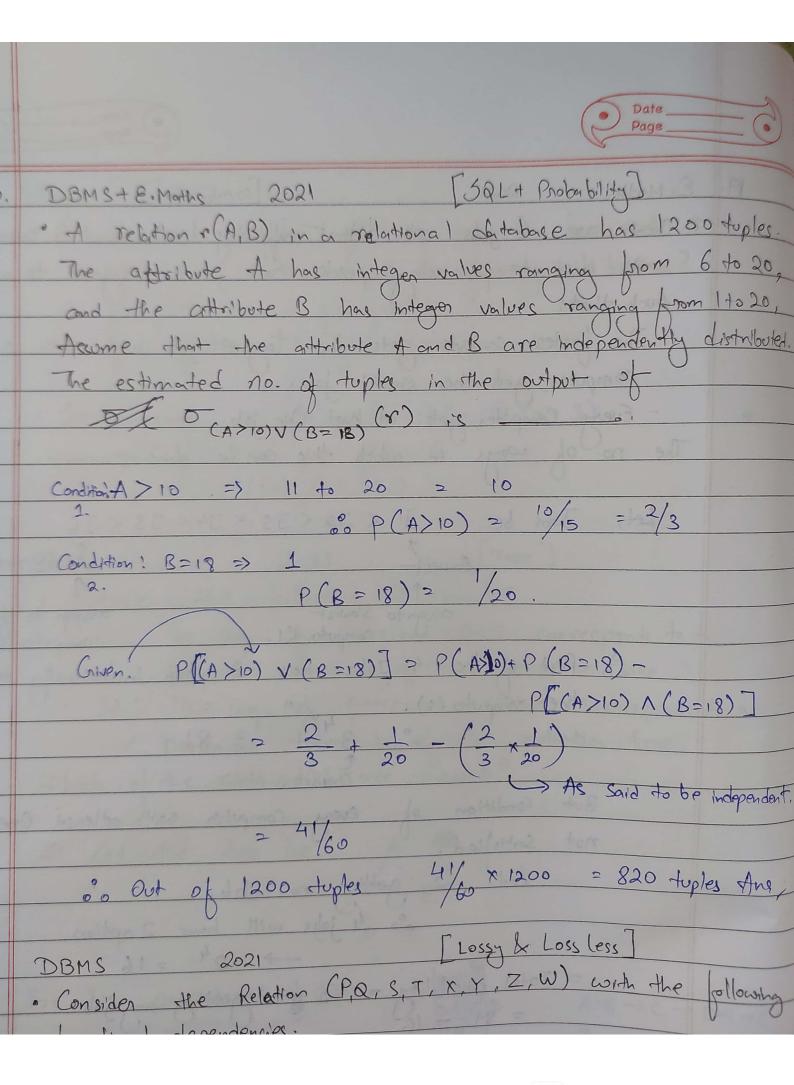


HYAM STEEL
15. Blocking Foodor = Block size - (Block hooder size)  (Avg.) Record size,
16. Spanned Organization. ! For variable long.  No internal frag.
Bif can be in faction.
Unspanned Organization: For fixed length,  Internal frager
BF can't be in fraction.
18. Indeping.
Coost case To east
in interfile.
Top goals

Relational Contraints somaln Constraint : Column must be atomic. or Tuple Uniqueness! Every reduction 3 3. Entity Integrity Constrain! No null in PK Top goals Things to do Notes



SHIAM DILL
Intersection: A-(A-B)
· 1 198 1 1 90
return those toples from relation A
which are associated to every toble
of B.
SI S2 S2
TIC (A - B)
A1 X1 20 A1
A2 X1 /X2.
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- " of chiten Tiden
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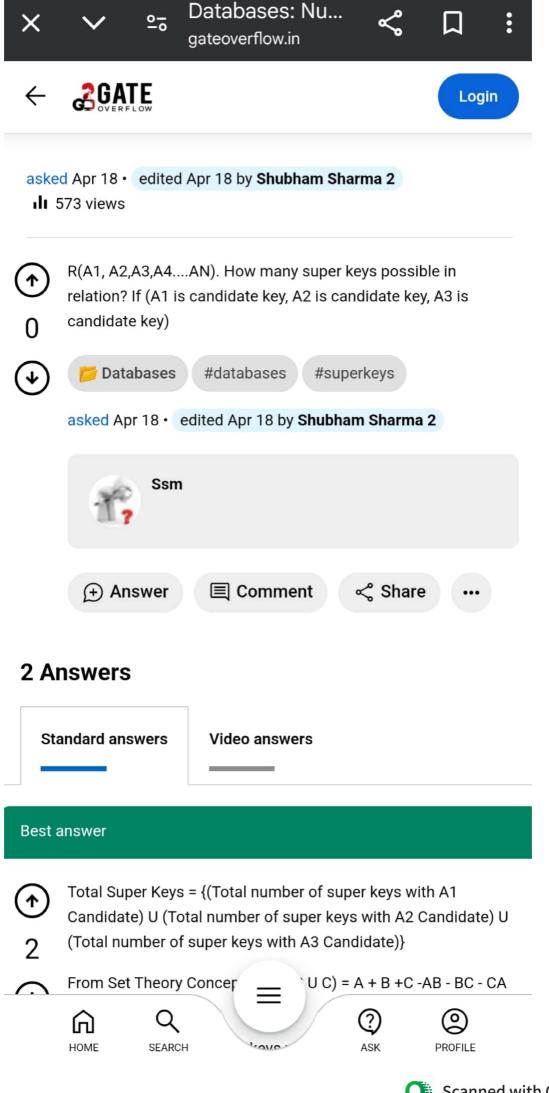


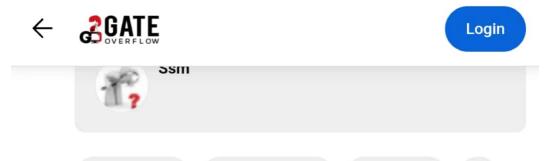
[Keys] · Consider the relation R(x, y, z) and S(z, q, r) where z Relation R contains 600 toples and relation 5 contains 700 tuples, what I coill be maximum number of tuples possible in RXIS Referenced relation.

Referenced relation.

F.K. Referencing Relation. The table that contain's Fk. that becomes the no. of tuble after joining on 700 As.

[ Candidate Key] Super Mock DBMS to relation R has 13 attributes, what is the maximum number of Candidate Keys this relation R can have? pair two attributes together. Therefore, and when cu given 2 2 n-k





■ Comment

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## 2 Answers

Standard answers

Answer

Video answers

## Best answer

- Total Super Keys = {(Total number of super keys with A1
  Candidate) U (Total number of super keys with A2 Candidate) U
  (Total number of super keys with A3 Candidate)}
- From Set Theory Concepts, (A U B U C) = A + B + C AB BC CA + ABC
- Total Super Keys = (super keys with A1) + (super keys with A2) + (super keys with A3) (super keys with A1 and A2) (super keys with A2 and A3) (super keys with A1 and A3) + (super keys with A1 and A2 and A3)

$$= 2^{n-1} + 2^{n-1} + 2^{n-1} - 2^{n-2} - 2^{n-2} - 2^{n-2} + 2^{n-3}$$
$$= 2^{n-3} (12 - 6 + 1)$$
$$= 7 * 2^{n-3}$$

answered Apr 18 · selected Apr 18 Ssm

