

→	New Mar
	Normalization
	1. closure method
	2. Functional Dependancy
	3. INF, 2NF, 3NF, BONF
>	Trans a tier that testing
	Transaction control & concurrency
	TO THAT TO ISTORE TO MANAGE
	2. R-0 W-R W-W
	3. Conflict serializabilaty
	Total independence
>	COL 1 0
	5QL and Relational algebra
	in the second stage and the
	DDL
160	De what are the various data and today
110	appoint the settlement of the
	C0115109111
	Aggregate fun
	Join La Longital 98 -8
	Nested Query
	5. object oriented
	E-R Model (conceptual scherma)
8. 110	Bluepaint ER model
10	a studiottes
anne H	9 identification
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	Basics of Leys
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DBMS retard appoint Database System collection of Releted data operation Data base DBMS

Microsoft J SQL Server Oracle 9: 11.12 et Stauctured Unstructured IBM DBL IRCTC + web page University * all the top companies the major MNC Companies, · Face book · Google · Amazon All this work is going on the Database From the interview point of view Very imp.

* which structures are used for Structure data base RDBMS (Relational database management our example isote has it's aun (database management system) we save data in backend in hard drive server without of which what we will do with this data? user fetch this data · insext LACHTURE (1) · delete on an average perform operation insertation, deletion, updale stage in any particular shape comple: TRETE data a Particolar conversely date. I state the

To, Perform these au the operation. we do have system. So, that system we called DBMS DBMS have collection of operation which provide easiness to the user 50, user can easily perform operation nangarant sustem (Relational Totalogs)

E-10-7	
No*	Structured datast money
*	to store the data we need Structure and that structure is relation
	Relation
Noit	table to all solo synd amach
noit.	differen method but most usuable method is Relation table.
	Now when I am storing the data in the form of relation. Then I also need some management system. example: TRCTC
*	RDBMS
	(Relational Database management 34stem)

File Vs DBMS

* What was the problem in that system did, which was removed by DBMS

what are the advantage in DI3MS that is remove old system

in 1970

how to access the data there,

user manage data by using file System.

In OS Inbuilt file system such as CIFS, NFS file system is used.

we & can create file subfolder and make a hirachy to store data.

But, why we are using DB5?

Because we are now using the client server architecture.

client server architecture means my data is not only with me I am not only accessing my data my data is at a centralized location and all over the world user are using that data
many user cutached with this server prosent in all over the world and trying to access < server with data Segver Note: - when all over the world user use and trying to access this date at that time we can not use file system. 25 FB is coming in my system b unnecessarily memory is being use and I have to scaped I bank complex thing

Regson elient seaves architectuse means my System vs DBMS 100 1) When we search the data blor eg. adlike va TRCIC box noitoball if we searching a train in IRCTC I KB we search I KB data i have to find details of the particular train if the file system is used there then actually what will happen, I will get the complete file. which files? 4 file of entire train data Tojust want to search I KB of data but how much data is coming to 25 GB 25 GB is coming in my system Unnecessavily memory is being used and I have to search IKB data complex thing.

Your 25 GB data is with the server Now what user will do? on the basis of that query ファファックラファックラック how much data will come to him only IKB. · Searching fast room & DTDAT · Utilization of memory is also refficienting last bron whenever we search the data by 2> file system we require Attribute. bfile name L) file location Li file permission Attributes that I am accessing data, I need meta data of that data fixst. when I'll get metadat c: I floide. we need this location

DBMS

4 But in DBMS we don't need any location it is totally independent

user don't know where the data is located.

user will write one query by using any platform

can be web appin

TRCIC > open

and that request goes to the Server

to request

for request we don't need any attribute to respond.

· Means Disms providing easness

3) concyarency? What is concurrency?

Ly Concurrent Access multiple people at the same time Accessing the data TRCTC is we gre accessing indian Railways booking a train, You are alone using IRCIC? somany transaction are going on at using or accessing the data is called the concurrency. there is no protocol in file system inconsistancy due to concurrency