

DBMS

(Database Management System)

Database

It is a Systematic Collection of data. database Supports storage and manipulation of clatabase.

e.g: IRCTC, Amazon, facebook etc.

DBMS

DBMS Stands for Database Management System. It is a collection of Programs which

enable its usors to access clatabase manipulate

and supresentation of data.

My SQL, SQL, Oracle, DB2 etc.

DBMS is an intermediate layer blu Programs and the slater.

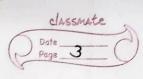
Components of DBMS

There are five Components in the database are:

- · Hardware
- · Software
 - · Data
- · users Porcedure

:- It is the actual Computer system used for Keeping and accessing the database. Handware

1	classmate
	Date Page 2
	Softmare: The Softmare is the actual DBMS.
	6/w the Physical Layer database itself
	and the users of the system is a layer of
	Software, usually called the DBMS
	Data
	Hardware Software People People
1	Bridge
3200	Machine users
411	supports . sknage and manipulations of
-	Data: It is the most important Component of DBMS
	environment from the end users point
4	of vieu.
1	21480
#	Database Users: There are a number of users
7	who can access or retrieve date
John Steller	on demand using the applications and interface
	provided by the DBMS. The users can be:
1	· Naive Users/Natine users
0.	Online users
	· Sophis Heated > Users
	· Database Administrator (DBA)
	* Specialized Users
	Process Circus
339	Naîve users! - Those users who need hot be amore
	of the Passance of 10 1 to
	System or any other system supporting their usage. A user of an systemated Teller Machine (ATM)
	usage. A user of an sutamated Teller M 12 (may)
	falls in this Category. (ATM)
	to here !
	Online Users: - Communicate with database directly
med	and an online frameral ner indiguetly.
- 365 h	vua a user interface.



Sophisticated Users: - Such users interact with the system without, worting Programs.

Specialized Users: - Such users one those, who write specialized database application that do not fit into the tractional data - processing framework.

susponsible for developing application programs

or user interface.

Data base Administrator! - DBA is also susponsible for the evaluation, selection and implementation of DBMS Package.

Lorocedures: - Poucediones outers instructions and outers designing a database. Manage a database with outers.

Log on to the DBMS

Start and Stop the DBMS

Handle Handware or Software failures.

Backup Copy Make.

Advantage of DBMS:- Disadvantage of DBMS:

- Controlling Redundancy 1. Complexity

 Integraty can be enforced 2. Memory size
- 3 Inconsistency can be avoided 3. Performance.
- 4 Data can be shoved 4. Higher impact of a failer 5 Dota Model can be developed 5. Cost of Conversion
- 6 Concuerency Control 6. Cost of DBM3
 30(twork