DBMS NOTES FOR BEGINNERS!

By ~ @ Codes learning

- * What is Database?

 A database is a collection of related

 data which represents Some aspects of the real would. A database System is designed to be built and populated with data for a certain task
- * What is DBMS?

 Database Management system (DBMS) is a software for storing and retrieving users data while considering appropriate Security measures. It consists of a group of programs which manipulates the database.

 The DBMS acrepts the request for data

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from an application and instructs the operating system to provide the specific data. In large system, a OBMS helps users and other third party software to store and retrieve data Relational Object Hierarchical Network These are the four main types of Database management Systems. * In a hierarchical database, model data is organized in a trice-like Structure Data is stored hierarchically format Data represented using a parent, chief relationship. In hierarchical DBMS parent may have many children but children -@ Codes. learning

have only one parent. The network database model allows each child to have multiple parents. It helps you to address the need to model more complex relationships like as the order/parts many to many relationship.

In this model, entities are oraganised in a graph which can be accessed through Several paths Kelational Model Relational DBMS is the most widely used DBMS model because it is one of the easiest. This model is based on normalising data in the rows and columns of the tables relational model stored in fixed structures and manipulated using SQL. In this data stored in the form of ~@ codes.karning

objects. The structure which is called classes while display data within it.

It is one of the Components of DBMS that defines a database as a collection of objects which sloves both data members, values and operations

DBMS & FLATFILE

Mutti-User access The does not supposed multiuser access Design to fulfill the It is only limited to need for small and smaller DBMS System. Large business. Remove redundancy Redundancy and integrity and integrity issues. Expensive. But in the Its cheaper. Longterm total cost of ownership is cheap. Easy to implement No supposed for complicated complicated transactions.

*	Characteristics of DBMS		
•	Provides security and removes redundancy.		
	Self-describing nature of a data-base system.		
•	Insulation between programs and data abstraction.		
•	Support of multiple views of the data.		
	Shaving of data and multi-wer Transaction.		
	processing		
	Data base management software allows entities		
	and relations among them to form tables.		
•	It follows the ACID concept (Atomicity,		
	consistency, Isolation, and durability)		
	DBMS supports multiuser environment that		
	allons were to access and manipulate		
	data in parallel		
*	Abblications of DBMS		
	rippucations of DOI 19		
	Sector Use of DBMS		
	Security 35.13		
	Banking For customer information, account		
	activities, payments, déposits,		
	Joans etc		
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	Airlines.	For reservation and schedule
		information
	K	•
	Sales	Use for storing customer, product and sales information
		and salex information
	Universities	For student information, course
		For student information, couvre registratione, colleges and grade.
	6.45 47 45	grand, and a
	Telecommunication	It helps to keep call hecords,
2	4	monthly bills, maintaining
		balances, etc.
		pagnes, ac
	Finance	Fox storing information about
		stock, sales and purchases of
		financial instruments like Stocks
	And the second	and bonds
	A CONTRACTOR AND A CONTRACTOR OF THE ACTION AND ACTION ACTION AND ACTION ACTION AND ACTION ACTION AND ACTION ACTI	Company of the compan
\$ 1. Q	N 10 b to	The state of
	Manufactiving	It is used for the management
	*	of supply chain for tracking
		production of items. Inventories
		status in navehouses
		~@ Lodes. Learning

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HR Management	For information about employees, Salaries, payroll, deduction, generation of paychecks, etc.	
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