

DataBase Data Items | Fields | Attributes Data. Course Code es 2 DOB Address Roll No Data Item 111 191 21 ABC cs 3 2/3/92 Fields POR 22 CS 5 4/4/95 Records 23 UVW CS 6 819198 Delhi: File ala landel over file bocening 9tis flat DB . wildy Student File Bit Binary Dight O or 1 byle logical Collection of Bits Data 11em | Field Joynal Collection of Single Table Record Scollection of Relevent DB[File]-convection ob Records. (Relatable) MIRONE ora common field ET External Views. Conseptual Vair Key field .. Internal Veres skird that thecture of Dams Data Intependence_-Sover Astribeture

Uses of DBMS Back End Front transaction. Banking End Bogram Lar QUI DataBase Sticked Booking System) handlingaInformation LE-commerce · Creation messangens · Modification · doletion. Home KDA House Tax. Any Type of Record System wikippedia Internet - Web pages F-commerce L' Digital Maps EMEDICINE SCIENCE 1 taxual DB JEIBRARY Multimedia DB Gout. Sites Reographic Info System - (google map Ex: Navik. भू लेख Weather DB NIC National Informatics MNE Decision Makery Center Avalysation (Googl) (Data WareHouses DOLAP[Online Analytical Processing System] Active DB Technology. Real time

16 Collection of meaningful Data is Database 22 Raw facts or figures are Data. Index Address Ex! Book is a DB Record. group of Similar Records is DB, which can be stored as a computer file on any specific or disk via specific file organization. Data > logical group of characters/ bytes. ou data. -> Smallest unit of Information in a DB. Ex Name, Roll No Addrew etc. group of character that one pre defined in DB Which Stores the Value of any Data Hem Student is a (entity maned student is (Instance) Name ! Rolling Address Doe on Student entitys 9d svita

: group of relatable fields or data Items. Record group of similar Records. Data of the Databare is managed by 9 general purpose software le called Data Bau Management System. dBase EX ! Fox Base FoxFro Sybase MS Access Ingress SQL Gener Oracle DBMS Inter-Jan

DBMS Collection of various programs that allows the wer to create or maintain the Database 3: Pand also 94 gives presermission to the wer to retrieve the Data. devent Enspore software Dato Base Management Syston. user can create DB [ADD] [DELETE] [MODIFY] Dato in DB dease Fox Base restract dodo from the DB & define of Construct Manipulale date OPERATING SYSTEM Physical Databall an Interface.

Bandand Jalet New data pado Creation of Reports. Sharing of Data. Protection, against H/w crashes S/w malfunctioning Security protection System protection against a unauthorized access. User of DBMS who create modify maintain. Programmer who develop application Rogram and Uson Interface

On Line Men On Line User can manipulate DB. Naine User) who interacts with DB via any application program.

Advantages of	DBMS	
III III W	the Data Redundancy.	
Sharing of	Data. End-inconsistancy	
insuring the	of Data Data originality	
	ependence physical	
	logical 2M 90 do co21	
	Continue User	
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