INTRODUCTION TO DATA MODELS

In DBMS data models define how the logical structure of a database is modeled. Data models define how data is connected to each other and how they are processed and stored inside the system.

Some of the most common ones include:

- Entity-relationship model.
- Relational model.
- Network model.
- Hierarchical database model.
- Object-oriented database model.

What is use of Data model?

A data model helps to reduce unnecessary columns, by constructing an optimal data structure with the fewest tables and columns.
It thus helps reduce system complexity and hence reduce cost. One of the most important aspects of any big data project is data modeling.

More topics from DBMS to read:

EasyExamNotes.com covered following topics in these notes.

1. Introduction to Database
2. Introduction to DBMS
3. Advantages and disadvantages of DBMS
4. DML, DDL and DCL
5. Domains
6. Introduction to data models

7. Entities and Attributes
8. Relationship among entities
9. Tuples
10. Attributes
11. Relation
12. Keys
13. Relational Database
14. Twelve rules of CODD
15. Schemas
16. Integrity Constraints
17. Normalization
18. Functional dependency
19. Transaction processing concepts
20. Schedule
21. Serializability
22. OODBMS vs RDBMS
23. RDBMS
24. SQL join
25. SQL functions: SUM(), AVG(), MAX(), MIN(), COUNT().
26. Block, Extent, Segment
27. Oracle Background processes
28. Trigger
29. Oracle cursor
30. Introduction to Concurrency Control

A list of Video lectures

- Click here

References:

1. Korth, Silbertz,Sudarshan, “Fundamental of Database System”, McGraw Hill
2. Atul Kahate , “ Introduction to Database Management System”, Pearson Educations

Related posts:

1. Relationship among entities
2. Introduction of IOT
3. Marketing Managment RGPV Diploma Paper Solved
4. Value of function in programming
5. Hardware components and device solved paper RGPV Diploma
6. USE CASE for MCQ application
7. OS Interview Q & A | Part 01 | Prof. Jayesh Umre
8. Compilation
9. OOPs in C# | PPL | Prof. Jayesh Umre
10. Overloaded subprograms
11. Static and Dynamic scope
12. Type Checking
13. Testing Levels | Software engineering | SEPM | Prof. Jayesh Umre
14. Static and Dynamic Analysis | Software Engineering| SEPM| Prof. Jayesh Umre
15. Code Inspection | Software engineering | SEPM | Prof. Jayesh Umre
16. Code Inspection
17. Characterstics of IOT
18. IOT Internet of Things
19. Monitors
20. Static and Stack-Based Storage management
21. Message passing

22. Exception handler in Java
23. Exception Propagation
24. Concept of Binding
25. Data mining and Data Warehousing
26. Introduction to Concurrency Control
27. Introduction to Transaction
28. Coaxial Cable
29. DHCP
30. DNS
31. Introduction to SNMP
32. Introduciton to SMTP
33. Introduction to NFS
34. Introduction to Telnet
35. Introduction to FTP
36. Internet Intranet Extranet
37. UGC NET Notes
38. Computer Terminologies
39. UGC NET Paper 1 December 2012
40. UGC Net paper 1 June 2011
41. closure properties of regular languages
42. Functional programming languages
43. Virtualization fundamental concept of compute
44. Dia software for UML, ER, Flow Chart etc
45. DAVV MBA: Business Communication
46. Mirroring and Striping
47. RGPV Solved Papers
48. CD#08 | Semantic analysis phase of compiler in Hindi video | Semantic tree | Symbol

table | int to real

49. COA#27 | Explain the Memory Hierarchy in short. | COA previoys years in Hindi video
50. Infix to Postfix expression
51. Array implementation of Stack
52. Stack Data Structure
53. DBMS#03 | DBMS System Architecture in Hindi video
54. Java program method overloaing
55. Java program use of String
56. DS#33 | 2 Dimensional Array | Data Structure in Hindi video
57. SE#10 | Function point (FP) project size estimation metric in Hindi video
58. ADA#02 | Define Algorithm. Discuss how to analyse Algorithm | ADA previous years in Hindi video
59. Principles of Programming Languages
60. Discrete Structures
61. Machine Learning
62. R Programming Video Lectures
63. Internet of Things (IOT)
64. Digital Circuits
65. Number Systems
66. Computer Organization and Architecture Video Lectures
67. UGC NET
68. There are five bags each containing identical sets of ten distinct chocolates. One chocolate is picked from each bag.The probability that at least two chocolates are identical is _____
69. C Programming Questions
70. What is Software ? What is the difference between a software process and a software product ?

71. Difference between scopus and sci/scie journal
72. Human Process Interventions: Individual and Group Level & Organization Level Topics Covered: Coaching, training and development, conflict resolution process process consultation, third-party interventions, and team building.
73. Leading and Managing Change & Emerging Trends in OD
74. Designing and Evaluating Organization Development Interventions
75. Tutorial
76. Data Dictionary and Dynamic Performance Views
77. Anna University Notes | Big Data Analytics
78. What is Map Reduce programming model? Explain.
79. Features of Web 2.0
80. Describe in brief the different sources of water.
81. RGPV BEEE
82. Define data structure. Describe about its need and types.Why do we need a data type ?
83. Interview Tips
84. Find output of C programs Questions with Answers Set 01