

DBMS LAB VIVA QUESTIONS

1. What is DBMS?

- Software that manages data
- Allows user to **DEFINE** datatypes and constraints, **CONSTRUCT** (store) data and **MANIPULATE** data through queries.
- Hierarchical, Network, RDBMS, OODBMS, NOSQL

2. Advantages of DBMS

- Redundancy of data avoided.
- Restricted and protected access to data.
- Permanent/Persistent storage for program objects.
- Back up/recovery services.
- Efficient query processing.
- Storage structure and indices for efficient query processing and retrieval.

3. What is DML?

- Data Manipulation Language.
- High level non-procedural language (SQL).
- Can be embedded into programming languages.
- CRUD-operations to create, read, update, and delete data

4. Commands of DML

- INSERT, SELECT, UPDATE and Delete commands.
- SELECT, INSERT, UPDATE, DELETE, MERGE in SQL

5. What is primary key?

- If a relation has many candidate keys, one is chosen arbitrarily to be the primary key.
- Primary key attributes are underlined.
- PK used to identify tuple uniquely.

6. What are the types of databases?

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Daniela Niemeyer



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Table of Contents Daa Lab Viva Questions

1. Understanding the eBook Daa Lab Viva Questions
 - The Rise of Digital Reading Daa Lab Viva Questions
 - Advantages of eBooks Over Traditional Books
2. Identifying Daa Lab Viva Questions
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Daa Lab Viva Questions
 - User-Friendly Interface
4. Exploring eBook Recommendations from Daa Lab Viva Questions
 - Personalized Recommendations
 - Daa Lab Viva Questions User Reviews and Ratings
 - Daa Lab Viva Questions and Bestseller Lists
5. Accessing Daa Lab Viva Questions Free and Paid eBooks
 - Daa Lab Viva Questions Public Domain eBooks
 - Daa Lab Viva Questions eBook Subscription Services
 - Daa Lab Viva Questions Budget-Friendly Options
6. Navigating Daa Lab Viva Questions eBook Formats

- ePub, PDF, MOBI, and More
- Daa Lab Viva Questions Compatibility with Devices
- Daa Lab Viva Questions Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Daa Lab Viva Questions
 - Highlighting and Note-Taking Daa Lab Viva Questions
 - Interactive Elements Daa Lab Viva Questions
- 8. Staying Engaged with Daa Lab Viva Questions
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Daa Lab Viva Questions
- 9. Balancing eBooks and Physical Books Daa Lab Viva Questions
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Daa Lab Viva Questions
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Daa Lab Viva Questions
 - Setting Reading Goals Daa Lab Viva Questions
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Daa Lab Viva Questions
 - Fact-Checking eBook Content of Daa Lab Viva Questions
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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