

Course
&
Test Series

Self-Made Assignment - Database

Data, Database and Database Management System

You have to write the answers to the questions in your notebook and write the descriptive questions in your own language.

Solve these following MCQs

Ques1- What is Data?

- a) Organized information
- b) Raw facts or figures
- c) Processed information
- d) None of the above

Ques 2- Which of the following is NOT an example of data?

- a) Numbers like 23, 5.6
- b) Words like "John", "Blue"
- c) Organized student report
- d) Symbols like @, #, %

Ques 3- What does DBMS stand for?

- a) Database Management Software
- b) Data Backup Management System
- c) Database Management System
- d) Data Base Manual System

Ques 4- Which of the following is a popular DBMS software?

- a) Microsoft Word
- b) Oracle DB
- c) Excel
- d) Photoshop

Ques 5- Why do we need a database?

- a) To store data in unorganized form
- b) To store, search, update, and analyze data easily
- c) To delete data automatically
- d) To print data

Solve these following True/False

1. Data is meaningful on its own without any context.
2. A database stores data in an organized way using tables.
3. DBMS helps in adding, deleting, and searching data in a database.
4. Data redundancy is higher in DBMS than traditional file systems.
5. SQLite is a lightweight DBMS used in mobile apps.

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Match the Following Questions

Column A	Column B
1. Data	a. Software to manage databases
2. Database	b. Raw facts or figures
3. DBMS	c. Collection of organized data
4. MySQL	d. Open-source DBMS software
5. Data Integrity	e. Ensures data accuracy and consistency

Ques 1- Explain the difference between data and information with the help of an example. Why is data important in databases?

Ques 2- What is a Database Management System (DBMS)? Describe its main functions and explain why it is essential for managing data efficiently.

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