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DBMS Questions

Latest DBMS MCQ Objective Questions

Question 1:

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In a DBMS, the content and location of data is identified by:

1. Sequence data
2. Metadata
3. Minidata
4. Subdata

Answer (Detailed Solution Below)

Option 2 : Metadata

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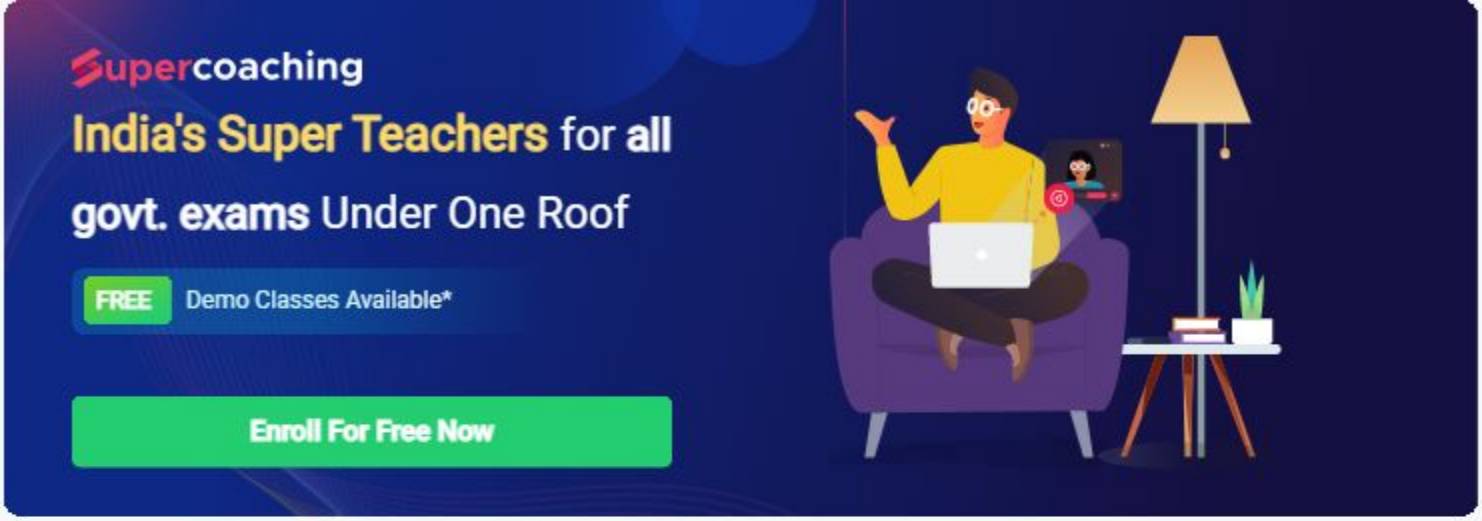

Get proficient with the Computer Awareness concepts with detailed lessons on the topic DBMS among many others.

DBMS Question 1 Detailed Solution

The correct answer of above Question is option 2. We Will update detailed solution soon.

Question 2:

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Which of the following is a popular DOS-based spreadsheet package?

1. Word
2. Smart Cell
3. Excel
4. Lotus 1-2-3

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Answer (Detailed Solution Below)

Option 4 : Lotus 1-2-3

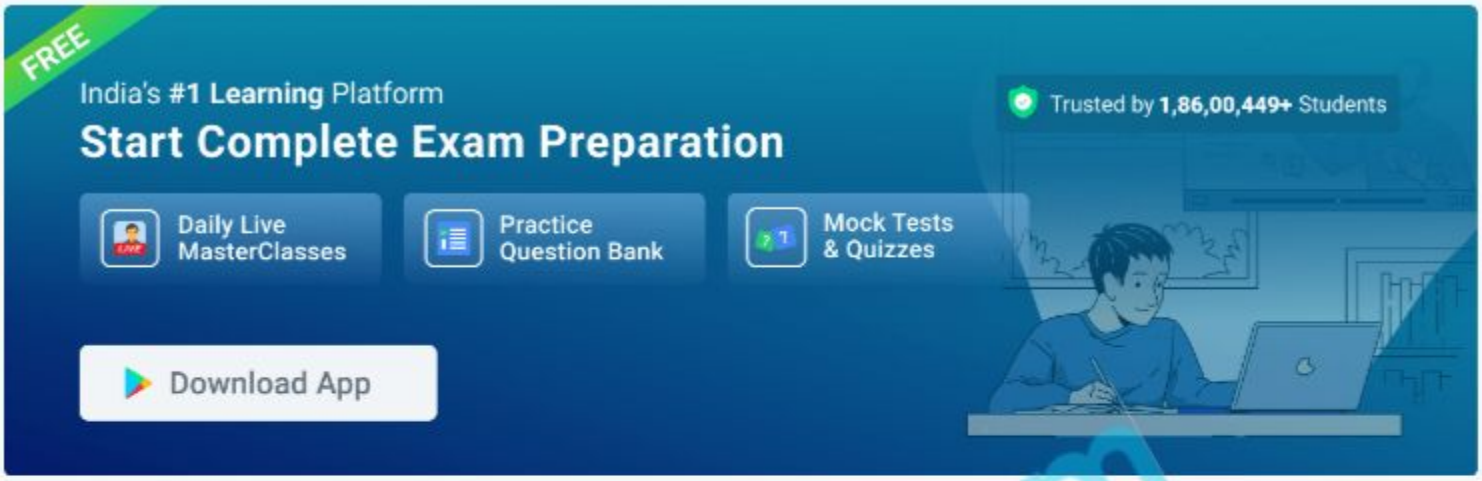
DBMS Question 2 Detailed Solution

The correct option is (4)

Lotus 1-2-3

Key Points

- A well-known software program that provides customers with spreadsheet features is Lotus 123 or 1-2-3.
- American company IBM created it. It gained popularity as a program in the 1980s and is compatible with disc operating systems.
- An outdated spreadsheet application from Lotus Software is called Lotus 1-2-3. (later part of IBM).
- Microsoft Excel is the most popular spreadsheet program, but there are other options as well. Examples include Google Drive Spreadsheet, Open Office Calc, Lotus 1-2-3, and Microsoft Works Spreadsheet.
- A word processing tool called Microsoft Word enables the generation of both straightforward and intricate papers. You can access the online version of the program as well as download it to your computer using Office 365.
- Radio access nodes known as "Smart Cells" offer wireless connectivity over a variety of spectrum bands and technological platforms.



Question 3:

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Which is the database management system (DBMS) from Microsoft which is part of the Microsoft Office Suite?

1. MySQL
2. MS Access
3. SQL Server

4. NoSQL

Answer (Detailed Solution Below)

Option 2 : MS Access

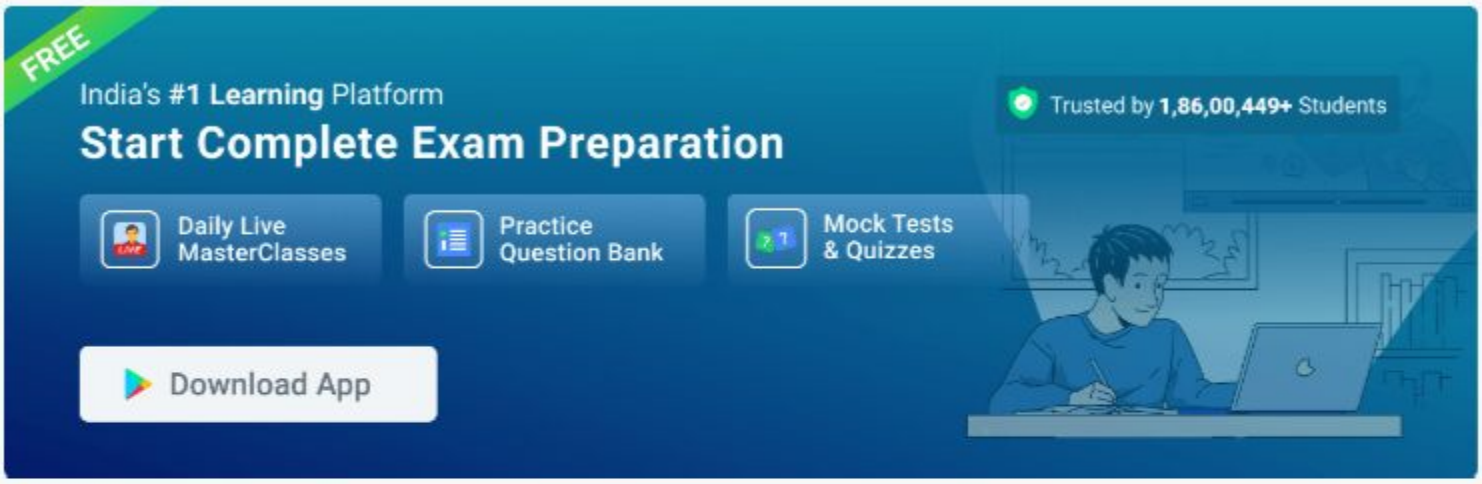
DBMS Question 3 Detailed Solution

The correct answer is **MS Access**.

Key Points

- **MS Access:** MS Access is a product of **Microsoft Office Suite**. MS Access is designed for working as a **database management system**. MS Access is a combination of a relational database management system and a graphical user interface. MS Access uses its own database engine.
- **My SQL: MySQL** is a relational database management system. MySQL is available for free and open source. Data in the database can be modified, and edited by running the queries by SQL.
- **SQL Server:** The SQL Server is responsible for the connectivity, and communication between the elements in the database management system by running the queries.

Thus the correct answer is *MS Access.*



Question 4:

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A collection of data designed to be used by different people is called a/an

1. Organization

2. Relationship

3. Database

4. Schema

Answer (Detailed Solution Below)

Option 3 : Database

DBMS Question 4 Detailed Solution

The correct answer is **database.**

Key Points

Database-

- **A collection of data designed to be used by different people is called a Database.**
- A database is a **planned collection** of data.
- They enable the manipulation and storage of data electronically.
- **Data management** is made simple by databases.
- A database is a collection of data that has been organised to make it simple to manage and update.
- Data records or files containing information, including as sales transactions, customer information, financial data, and product information, are often aggregated and stored in computer databases.

Additional Information

Organization-

- An organization is a group of individuals working together to achieve predetermined goals.

Relationship-

- When two or more database tables are logically associated, this is known as a **relationship** in databases.

Schema-

- A relational database's data organization is specified by its **database schema**.
- Schemas serve as the cornerstone of an organization's data management discipline by frequently using visual representations to describe the database architecture.

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Question 5:

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A file system is described as the way the files are organized on the disk.

Which of the following is not a specification for a File System?

1. NTFS
2. MFS
3. ISO 9660
4. ISO 27000

Answer (Detailed Solution Below)

Option 4 : ISO 27000

DBMS Question 5 Detailed Solution

The correct answer is **ISO 27000**.

Key Points

- The **ISO 27000** Family of Standards is a **series of information security standards** that provide a global framework for information security management practices.

-

Additional Information

- **NTFS** or New Technology File System is a **proprietary journaling file system** developed by **Microsoft**.
- **MFS** or Macintosh File System is a volume format created by **Apple** Computer for **storing files on 400K floppy disks**.
- **ISO 9660** is a **file system for optical disc media**.
    - It is an international standard available from the **International Organization for Standardization**.

Top DBMS MCQ Objective Questions

Question 6 View this Question Online >

Which of the following is used to manage Data Base ?

1. Operating System
2. Compiler
3. DBMS
4. None of the above

Answer (Detailed Solution Below)

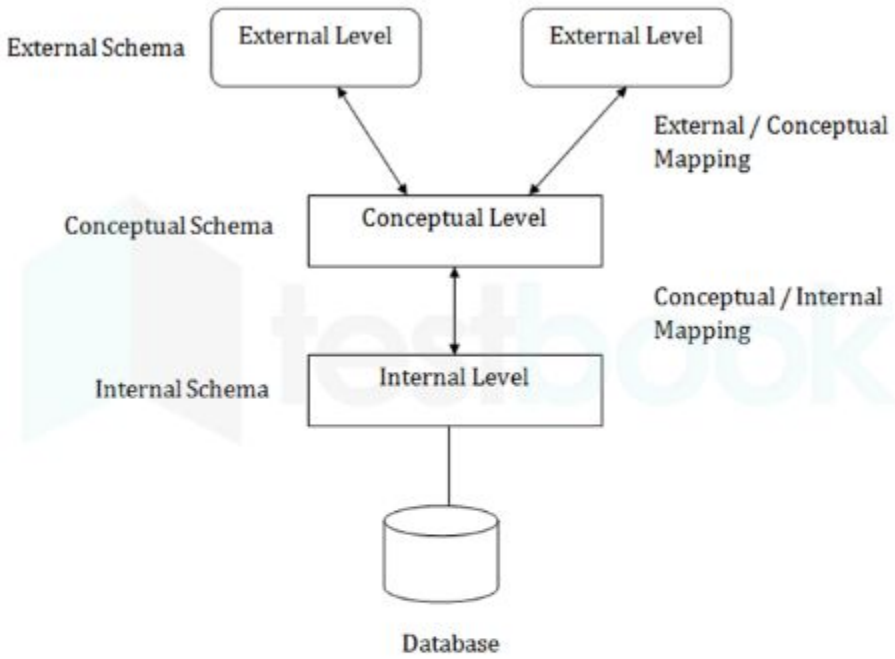
Option 3 : DBMS

DBMS Question 6 Detailed Solution

The correct answer is **DBMS.**

Key Points

- A **Database** is **an organized collection of data so that it can be easily accessed and managed.**
- **DBMS** stands for **Database Management System.**
- A **Database Management System (DBMS)** is **software designed to store, retrieve, define, and manage data in a database.**
- Database Management System **removes redundancy and Integrity.**
- Database Management System **reduces Application Development Time.**
- DBMS follows the concepts of **Atomicity, Consistency, Isolation, and Durability (**normally shortened as **ACID).**
- DBMS supports a **multi-user environment and allows them to access and manipulate data in parallel.**
- **Types of DBMS Systems are:**
  - Hierarchical Database
  - Network Database
  - Relational Database
  - Object-Oriented Database
- **The three-schema architecture of DBMS:**



- **Some popular DBMS systems:**
  - MySQL
  - Microsoft Access
  - Oracle
  - LibreOffice Base

- LibreOffice Base
- Microsoft SQL Server

Important Points

- **In 1960, Charles Bachman designed the first DBMS system.**
- **In 1970, Codd introduced IBM'S Information Management System (IMS)**
- **In 1976, Peter Chen** coined and defined the **Entity-relationship model** also know as the **ER model.**
- **In 1991, Microsoft** ships **MS Access, a personal DBMS** and that displaces all other personal DBMS products.

Additional Information

- **Operating System**
  - An operating system acts as **an intermediary between the user of a computer and computer hardware.**
  - Operating systems were **first developed in the late 1950s to manage tape storage.**
  - The **General Motors Research Lab implemented** the **first OS in the early 1950s for their IBM 701.**
  - Operating System **allows disk access and file systems Device drivers Networking Security.**
  - Operating System **Handling I/O operations.**
  - Operating System has **error detection and handling technic.**
  - An Operating System is concerned with the **allocation of resources and services**, such as **memory, processors, devices, and information.**
  - The **Kernel** is the **central component of a computer operating system.**
- **Compiler**
  - The compiler **translates source code** written in **a high-level language into a set of machine-language.**
  - Compilers are **very large programs, with error-checking and other abilities.**
  - The object code is machine code that **the processor can perform one instruction at a time.**
  - The **first Autocode and compiler** in the modern sense were developed by **Alick Glennie in 1952.**
  - **John W. Backus at IBM** introduced the **first commercially available compiler, in 1957.**

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Question 7 View this Question Online >

In MS-DOS, which command displays all the files having the same name but different extensions?

1. Dir filename.*
2. Dir filename.ext
3. Dir *.sys
4. Dir *.ext

Answer (Detailed Solution Below)

Option 1 : Dir filename.*

DBMS Question 7 Detailed Solution

The correct answer is **Dir filename.***

Key Points

- In MS-DOS, the **Dir filename.*** command **displays** all the files having the **same name** but **different extensions**.

Additional Information

- ***** **is** a **wild card** character that **stands** for any **character**.
  - When we specify a **filename.*** it means that the **filename** should be the **same** but the **extension** can be **any**.
  - **Dir filename.ext**, this shows the **specified file** with the **specified extension**.
  - **Dir *.sys** lists all the **files** with **system extensions**.
  - **Dir *.ext** lists all the **files** with a **specified extension**.

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Question 8

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The _____ is a simple query language used for accessing, handling and managing data in a relational database.

1. ISO
2. DDL
3. DML
4. SQL

Answer (Detailed Solution Below)

Option 4 : SQL

DBMS Question 8 Detailed Solution

The correct answer **SQL.**

Key Points

- **SQL** stands for **Structured Query Language.**
- It is a **standardized programming language that's used to manage relational databases and perform various operations on the data in them.**
- SQL became the de facto standard programming language for relational databases after they emerged in the late **1970s and early 1980s.**
- SQL is regularly used not only by database administrators but also by developers **writing data integration scripts and data analysts looking to set up and run analytical queries.**

- The uses of SQL include **modifying database table and index structures; adding, updating, and deleting rows of data; and retrieving subsets of information from within a database for transaction processing and analytics applications.**

Additional Information

- **SQL is widely popular because it offers the following advantages** -
  - Allows users to access data in the relational database management systems.
  - Allows users to describe the data.
  - Allows users to define the data in a database and manipulate that data.
  - Allows embedding within other languages using SQL modules, libraries & pre-compilers.
  - Allows users to create and drop databases and tables.
  - Allows users to create a view, stored procedure, functions in a database.
  - Allows users to set permissions on tables, procedures, and views.

Question 9 View this Question Online >

Which of the following is NOT an example of DBMS?

1. SQL Server
2. MySQL
3. Microsoft Outlook
4. Microsoft Access

Answer (Detailed Solution Below)

Option 3 : Microsoft Outlook

DBMS Question 9 Detailed Solution

The correct answer is **Microsoft Outlook.**

Key Points:

- **Microsoft SQL Server** is a relational database management system developed by Microsoft.
- **MySQL Database Service** is a fully managed database service to deploy cloud-native applications.
- **Microsoft Outlook** is the email service provided by Microsoft.
  - **Hence this is the answer.**
- **Microsoft Access** is the only application software you need to create apps, utilize databases, and store data in **SQL Server and Microsoft Azure SQL.**

Question 10 View this Question Online >

A collection of interrelated files and a set of programs that allow users to access and modify these files is known as _____.

1. System management
2. Data analytic system
3. Database management system
4. Data files

Answer (Detailed Solution Below)

Option 3 : Database management system

DBMS Question 10 Detailed Solution

The correct answer is **Database management system.**

Key Points

- A **Database Management System (DBMS)** is software designed to store, modify, and manage data in a database.
  - Examples of DBMS are **SQL Server, My SQL, Oracle, MS Access, File Maker, Bigtable**.
- A database is a data structure that stores organized information.
- The telephone directory is a good example of a database.

Question 11 View this Question Online >

In C Programming a function can return:

1. Double value
2. Single value
3. As many as values
4. No value

Answer (Detailed Solution Below)

Option 2 : Single value

DBMS Question 11 Detailed Solution

The correct answer is **Single value.**

Concept:

A function in C can be called either with arguments or without arguments.

- Always, Only one value can be returned from a function.

- If you try to return more than one value from a function, only one value will be returned that appears at the rightmost place of the return statement.
- For example, if you use "return a,b,c" in your function, value for c only will be returned, and values a, b won't be returned to the program.

Question 12 View this Question Online >

"Structure of database" is known as _____.

1. Attribute
2. Entity
3. Schema
4. All
5. None of these

Answer (Detailed Solution Below)

Option 3 : Schema

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Question 13 View this Question Online >

The Correct order of SQL expression is

1. Select, group by, where, having
2. Select, having, group by, where
3. Select, having, where, group by
4. Select, where, group by, having

Answer (Detailed Solution Below)

Option 4 : Select, where, group by, having

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Question 14 View this Question Online >

A database that contains the names and address of various hosts on internet is called

1. Domain Name Service
2. Domain Name System
3. DNS File System
4. None of the above

Answer (Detailed Solution Below)

Option 2 : Domain Name System

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Question 15 View this Question Online >

_____ is an advanced discipline that teaches students how to analyse and find patterns in large amounts of data.

1. Computer science
2. Data science
3. Computer programming
4. Software development

Answer (Detailed Solution Below)

Option 2 : Data science