

THE EXPERT'S VOICE IN DBMS

# DBMS – INTERVIEW QUESTIONS

*Gives you the interview tips in DBMS*

A free DBMS interview questions by,

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## ABOUT THE AUTHOR

). Aligned with KaaShiv InfoTech’s mission,he

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## ACKNOWLEDGEMENT

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## 1. What is Database?

A Database is a structured collection of data. Database is designed to offer an organized mechanism for storing, managing and retrieving information. They do so through the use of tables.

## 2. What is DBMS?

A Database Management System (DBMS) is a set of programs that enables you to store, modify, and extract information from a database, it also provides users with tools to add, delete, access, modify, and analyze data stored in one location.

## 3. What is a Database system?

The database and DBMS software together is called as Database system.

## 4. What are the advantages of DBMS?

- Redundancy is controlled.
- Unauthorised access is restricted
- Providing multiple user interfaces.
- Enforcing integrity constraints.
- Providing backup and recovery.

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## 5. Describe the three levels of data abstraction?

There are three levels of abstraction:

- **Physical level:** The lowest level of abstraction describes how data are stored.
- **Logical level:** The next higher level of abstraction, describes what data are stored in database and what relationship among those data.
- **View level:** The highest level of abstraction describes only part of entire database.

## 6. What is Data Independence?

Data independence means that "the application is independent of the storage structure and access strategy of data". In other words, the ability to modify the schema definition in one level should not affect the schema definition in the next higher level. Two types of Data Independence:

- **Physical Data Independence:** Modification in physical level should not affect the logical level.
- **Logical Data Independence:** Modification in logical level should affect the view level.

## 7. What is Data Model?

A collection of conceptual tools for describing data, data relationships data semantics and constraints.

## 8. What is E-R model?

This data model is based on real world that consists of basic objects called entities and of relationship among these objects. Entities are described in a database by a set of attributes.

## 9. What is Object Oriented model?

This model is based on collection of objects. An object contains values stored in instance variables within the object. An object also contains bodies of code that operate on the object. These bodies of code are called methods. Objects that contain same types of values and the same methods are grouped together into classes.

## 10. What is an Entity?

It is a 'thing' in the real world with an independent existence.



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