

DATABASE CONCEPTS

1. Name different types of DBMS?
2. What is Primary Key and super key?
3. What is entity and its type?
4. What is Database management system?
5. Write 5 disadvantages of Database Management System?
6. Write 5 advantages of Database Management System?
7. Define attributes and its type?
8. Define ACID Properties of Database?
9. Write Differences between File system and Database Management System.
10. Write a note on- 1) Primary key 2) Alternate key 3) Foreign key

STRUCTURED QUERY LANGUAGE

1. What is Data Definition Language?
2. What is difference between SQL and MySQL?
3. What is difference between delete and truncate statement in SQL?
4. What do you understand by clause? explain its types in detail.
5. Explain the following – 1) count() 2) avg() 3) data types
6. Define is SQL and its use?
7. Write advantages and disadvantages of SQL.
8. Does SQL support Programming?

BREIF OVERVIEW OF PYTHON

1. What is Python? Write features of Python?
2. Define Python Identifiers?
3. Define Keywords?
4. Write short note on variables and constant?
5. Write the applications of Python?
6. Explain different type of python Framework?
7. Write arithmetic operators of Python with example?
8. Write relational operators of Python with example?
9. Write assignment operators of Python with example?
10. Write logical operators of Python with example?
11. Define different loop statements of Python?
12. Decision making statements of Python?

WORKING WITH LIST AND DICTIONARIES

1. Explain different types of Python List with example.
2. Write Python List Methods with example.
3. Write Dictionary Methods with example.
4. Write difference between List and Dictionary?
5. Write Python List built-in functions with example.
6. Write Dictionary built-in functions with example.

EMERGING TRENDS

1. Write short note on cloud and its types.
2. Write note on NLP and AI.
3. Explain the three V's of big data?
4. Write difference between cloud computing and Grid computing?
5. Write a note on virtual reality and augmented reality.
6. Write a detailed note on services of cloud computing.

Practical Worksheet

1. Write a program to find the given number is positive or negative.
2. Write a program to create a list of given number 1,2,3,4,5.
3. Write a program to find the largest number among three number.
4. Write a program to check if the entered number is even or odd.