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Database Management System and Design

MCQs

Multiple Choice Questions

Database Management System and Design

SET-1

Questions 1:

The ascending order of a data hierarchy is:

- a. bit-byte-record-field-file-database
- b. byte-bit-field-record-file-database
- c. bit-byte-field-record-file-database
- d. bit-byte-file-record-field-database

Question 2:

Which of the following is true of a network structure?

- a. It is a physical representation of the data
- b. It allows a many-to-many relationship
- c. It is conceptually simple
- d. It will be dominant data base of the future

Question 3:

Which of the following is a problem of file management system?

- a. difficult to update
- b. lack of data independence
- c. data redundancy
- d. program dependence
- e. all of above

Question 4:

One data dictionary software package is called

- a. DB/DC dictionary
- b. TOTAL
- c. ACCESS
- d. Datapac
- e. Data Manager

Question 5:

The function of a database is ...

- a. to check all input data
- b. to check all spelling
- c. to collect and organize input data
- d. to output data

Question 6:

What is the language used by most of the DBMSs for helping their users to access data?

- a. High level language
- b. SQL

- c. Query Language
- d. 4GL

Question 7:

The model for a record management system might be

- a. handwritten list
- b. a Rolodex card file
- c. a business form
- d. all of above

Question 8:

Primitive operations common to all record management system include

- a. print
- b. sort
- c. look-up
- d. all of above

Question 9:

In a large DBMS

- a. each user can "see" only a small part of the entire database
- b. each subschema contains every field in the logical schema
- c. each user can access every subschema

Question 10:

Information can be transferred between the DBMS and a

- a. spreadsheet program
- b. word processor program
- c. graphics program
- d. all of the above

Answers:

1. c 2. b 3. e 4. a 5. c 6. c 7. d 8. c 9. a 10. d

SET-2

Questions 1:

Which of the following fields in a student file can be used as a primary key?

- a. class
- b. Social Security Number
- c. GPA
- d. Major

Question 2:

Which of the following is not an advantage of the database approach

- a. Elimination of data redundancy
- b. Ability of associate deleted data
- c. increased security
- d. program/data independence
- e. all of the above

Question 3:

Which of the following contains a complete record of all activity that affected the contents of a database during a certain period of time?

- a. report writer
- b. query language
- c. data manipulation language
- d. transaction log
- e. none of the above

Question 4:

In the DBMS approach, application programs perform the

- a. storage function
- b. processing functions
- c. access control
- d. all of the above
- e. none of the above

Question 5:

A set of programs that handle a firm's database responsibilities is called

- a. database management system (DBMS)
- b. database processing system (DBPS)
- c. data management system (DMS)
- d. all of above

Question 6:

Which is the make given to the database management system which is able to handle full text data, image data, audio and video?

- a. full media
- b. graphics media
- c. multimedia
- d. hypertext

Question 7:

A record management system

- a. can handle many files of information at a time
- b. can be used to extract information stored in a computer file
- c. always uses a list as its model
- d. both a and b

Question 8:

A command that lets you change one or more fields in a record is

- a. insert
- b. modify
- c. lookup
- d. none of above

Question 9:

A transparent DBMS

- a. can not hide sensitive information from users
- b. keeps its logical structure hidden from users
- c. keeps its physical structure hidden from users
- d. both b and c

Question 10:

A file produced by a spreadsheet

- a. is generally stored on disk in an ASCII text format
- b. can be used as is by the DBMS
- c. both a and b
- d. none of the above

Answers:

1.b 2.e 3.d 4.b 5.d 6.c 7.b 8.b 9.c 10.a

SET-3

Questions 1:

Which of the following is not true of the traditional approach to information processing

- a. there is common sharing of data among the various applications
- b. it is file oriented
- c. programs are dependent on the file
- d. it is inflexible
- e. all of the above are true

Question 2:

Which of the following hardware component is the most important to the operation of databasemanagement system?

- a. high resolution video display
- b. printer
- c. high speed, large capacity disk
- d. plotter
- e. mouse

Question 3:

Generalized database management system do not retrieve data to meet routine request

- a. true
- b. false

Question 4:

Batch processing is appropriate if

- a. large computer system is available
- b. only a small computer system is avilbale
- c. only a few transactions are involved
- d. all of the above
- e. none of the above

Question 5:

Large collection of files are called

- a. fields
- b. records
- c. database
- d. sectors

Question 6:

Which of the following is not a relational database?

- a. dBase IV
- b. 4th Dimension
- c. FoxPro
- d. Reflex

Question 7:

In order to use a record management system

- a. you need to understand the low level details of how information is stored
- b. you need to understand the model the record management system uses
- c. both a and b
- d. none of the above

Question 8:

Sort/Report generators

- a. are faster than index/report generators
- b. require more disk space than indexed/report generators
- c. do not need to sort before generating report
- d. both a and b

Question 9:

If a piece of data is stored in two places in the database, then

- a. storage space is wasted
- b. changing the data in one spot will cause data inconsistency
- c. it can be more easily accessed
- d. both a and b

Question 10:

An audit trail

- a. is used to make backup copies
- b. is the recorded history of operations performed on a file
- c. can be used to restore lost information
- d. none of the above

Answers:

1.a 2.c 3.b 4.e 5.c 6.d 7.b 8.b 9.d 10.b

SET-4

Questions 1:

The relational database environment has all of the following components except

- a. users
- b. separate files
- c. database
- d. query languages
- e. database

Question 2:

Database management systems are intended to

- a. eliminate data redundancy
- b. establish relationship among records in different files
- c. manage file access
- d. maintain data integrity
- e. all of the above

Question 3:

One approach to standardization storing of data?

- a. MIS
- b. structured programming
- c. CODASYL specification
- d. none of the above

Question 4:

The language used application programs to request data from the DBMS is referred to as the

- a. DML
- b. DDL
- c. query language
- d. any of the above
- e. none of the above

Question 5:

The highest level in the hierarchy of data organization is called

- a. data bank
- b. data base
- c. data file
- d. data record

Question 6:

Choose the RDBMS which supports full fledged client server application development

- a. dBase V
- b. Oracle 7.1
- c. FoxPro 2.1
- d. Ingress

Question 7:

Report generators are used to

- a. store data input by a user
- b. retrieve information from files
- c. answer queries
- d. both b and c

Question 8:

A form defined

- a. where data is placed on the screen
- b. the width of each field
- c. both a and b
- d. none of the above

Question 9:

A top-to-bottom relationship among the items in a database is established by a

- a. hierarchical schema
- b. network schema
- c. relational schema
- d. all of the above

Question 10:

The management information system (MIS) structure with one main computer system is called a

- a. hierarchical MIS structure
- b. distributed MIS structure
- c. centralized MIS structure
- d. decentralized MIS structure

Answers:

1.b 2.e 3.c 4.a 5.b 6. b 7.d 8.a 9.a 10.c