

Started on Tuesday, 10 April 2018, 10:29 AM

State Finished

Completed on Tuesday, 17 April 2018, 12:00 AM

Time taken 6 days 13 hours

Grade 34.00 out of 40.00 (85%)

Question **1**

Correct

Mark 1.00 out of 1.00

Which of the following statements is **not** true for primary keys in a relational database system?

Select one:

- ☒ a. They must contain numeric data. ✓
- ☐ b. They can be used to create relationships between tables.
- ☐ c. They can be part of relational integrity constraints.
- ☐ d. They uniquely identify a row in a table.

Question **2**

Correct

Mark 1.00 out of 1.00

The NoSQL movement should really be called a NoRelational movement.

Select one:

- ☒ True ✓
- ☐ False

Question **3**

Correct

Mark 1.00 out of 1.00

Twitter and Facebook use NoSQL databases.

Select one:

- ☒ True ✓
- ☐ False

Question **4**

Correct

Mark 1.00 out of 1.00

Each row in a database table is also known as a record.

Select one:

- ☒ True ✓
- ☐ False

Question **5**

Incorrect

Mark 0.00 out of 1.00

Which of the following statements is true about Web 2.0?

Select one:

- ☒ a. It allows users to add content to Web sites. ✗
- ☐ b. Twitter and Facebook are examples of Web 2.0 sites.
- ☐ c. It requires the Android Operating System.
- ☐ d. Both It allows users to add content to Web sites and Twitter and Facebook are examples of Web 2.0 sites are correct

Question **6**

Correct

Mark 1.00 out of 1.00

Data Language/I (DL/I) structured data relationships as a tree structure.

Select one:

- ☒ True ✓
- ☐ False

Question **7**

Correct

Mark 1.00 out of 1.00

A database is called *self-describing* because it reduces data duplication.

Select one:

- ☐ True
- ☒ False ✓

Question **8**

Correct

Mark 1.00 out of 1.00

Which statement is **not** true about the relational model?

Select one:

- ☐ a. It was developed by E. F. Codd.
- ☐ b. It resulted in the DBMS product DB2.
- ☐ c. It was first proposed in 1970.
- ☒ d. It was developed at Oracle. ✓

Question **9**

Incorrect

Mark 0.00 out of 1.00

In database systems, the DBMS enforces rules about which user can perform which action when. The rules are known as _____.

Select one:

- ☐ a. data reading control
- ☐ b. concurrency control
- ☒ c. referential integrity constraints ✗
- ☐ d. data modification control

Question **10**

Incorrect

Mark 0.00 out of 1.00

Microsoft Access may use which of the following DBMS engines?

Select one:

- ☐ a. Oracle
- ☐ b. SQL Server
- ☐ c. Both ADE and SQL Server are correct
- ☒ d. ADE ✗

Question **11**

Correct

Mark 1.00 out of 1.00

In an enterprise-class database system, reports are created by _____.

Select one:

- ☐ a. the user
- ☒ b. the database application ✓
- ☐ c. the database management system (DBMS)
- ☐ d. the database

Question **12**

Correct

Mark 1.00 out of 1.00

This database component is used to maintain database accuracy and enforce data constraints.

Select one:

- ☐ a. Metadata
- ☒ b. Triggers ✓
- ☐ c. Tables
- ☐ d. Stored procedures

Question **13**

Correct

Mark 1.00 out of 1.00

A database management system (DBMS) creates, processes and administers databases.

Select one:

- ☒ True ✓
- ☐ False

Question **14**

Incorrect

Mark 0.00 out of 1.00

Which of the following statements is **not** true for an enterprise-class database system?

Select one:

- ☐ a. The database application(s) interact(s) with the DBMS.
- ☐ b. The database application(s) directly access(es) the database data.
- ☐ c. The DBMS accesses the database data.
- ☒ d. The application generates SQL statements. ✗

Question **15**

Correct

Mark 1.00 out of 1.00

The 1977 edition of this text contained a chapter on the relational model, and that chapter was reviewed by E. F. Codd.

Select one:

- ☒ True ✓
- ☐ False

Question **16**

Correct

Mark 1.00 out of 1.00

Small databases typically have simple structures.

Select one:

- ☐ True
- ☒ False ✓

Question **17**

Incorrect

Mark 0.00 out of 1.00

The database management system (DBMS) is responsible for enforcing referential integrity constraints.

Select one:

- ☐ True
- ☒ False ✗

Question **18**

Correct

Mark 1.00 out of 1.00

Business organizations have resisted adopting object-oriented database management systems because _____.

Select one:

- ☐ a. most large organizations have older applications that are not based on object oriented programming
- ☐ b. the cost of converting data from relational databases to OODBMSs is too high
- ☒ c. Both the cost of converting data from relational databases to OODBMSs is too high and most large organizations have older applications that are not based on object oriented programming are correct ✓
- ☐ d. the cost of purchasing OODBMS packages is prohibitively high

Question **19**

Correct

Mark 1.00 out of 1.00

A program whose job is to create, process and administer databases is called a _____.

Select one:

- ☐ a. Database Modeling System
- ☐ b. Relational Model Manager
- ☐ c. Data Business Model System
- ☒ d. Database Management System ✓

Question **20**

Correct

Mark 1.00 out of 1.00

For database development, a challenge to the relational model and the use of SQL is known as _____.

Select one:

- ☒ a. the NoSQL movement ✓
- ☐ b. the SOAP movement
- ☐ c. the XML movement
- ☐ d. the Web services movement

Question **21**

Correct

Mark 1.00 out of 1.00

In an Enterprise-class database system, a database application interacts with the DBMS.

Select one:

- ☒ True ✓
- ☐ False

Question **22**

Correct

Mark 1.00 out of 1.00

Like a database table, a spreadsheet has rows and columns.

Select one:

- ☒ True ✓
- ☐ False

Question **23**

Correct

Mark 1.00 out of 1.00

In Microsoft Access, you can use ODBC to connect to SQL Server in place of the ADE database engine.

Select one:

- ☒ True ✓
- ☐ False

Question **24**

Correct

Mark 1.00 out of 1.00

The database application is responsible for concurrency control.

Select one:

- ☐ True
- ☒ False ✓

Question **25**

Correct

Mark 1.00 out of 1.00

A database designed using spreadsheets from the Sales department is a database being designed _____.

Select one:

- ☒ a. from existing data ✓
- ☐ b. as a redesign of an existing database
- ☐ c. as a NoSQL database
- ☐ d. as a new systems development project

Question **26**

Correct

Mark 1.00 out of 1.00

XML Web services allow database processing to be shared across the Internet.

Select one:

- ☒ True ✓
- ☐ False

Question **27**

Correct

Mark 1.00 out of 1.00

In an Enterprise-class database system, business users interact directly with the DBMS, which directly accesses the database data.

Select one:

- ☐ True
- ☒ False ✓


Question **28**

Incorrect

Mark 0.00 out of 1.00

dBase was the first PC-based DBMS to implement true relational algebra on a PC.

Select one:

- ☒ True 
- ☐ False


Question **29**

Correct

Mark 1.00 out of 1.00

Modern microcomputer personal DBMS products _____.

Select one:

- ☒ a. were essentially made obsolete by Microsoft Access 
- ☐ b. have poor response time
- ☐ c. are supplied by several well-established manufacturers
- ☐ d. are not true DBMS products


Question **30**

Correct

Mark 1.00 out of 1.00

Paradox is the only major survivor of the "bloodbath of PC DBMS products."

Select one:

- ☐ True
- ☒ False 


Question **31**

Correct

Mark 1.00 out of 1.00

A database stores _____.

Select one:

- ☐ a. data
- ☐ b. applications
- ☒ c. Both data and relationships are correct 
- ☐ d. relationships

Question **32**

Correct

Mark 1.00 out of 1.00

Which of the following is **not** an XML Web service standard?

Select one:

- ☐ a. UDDI
- ☒ b. Ethernet ✓
- ☐ c. SOAP
- ☐ d. WSDL

Question **33**

Correct

Mark 1.00 out of 1.00

The DBMS ranked as having the "least power and features" in the text is Microsoft Access.

Select one:

- ☒ True ✓
- ☐ False

Question **34**

Correct

Mark 1.00 out of 1.00

For database development, the most important Web-related technology to emerge in recent years is _____.

Select one:

- ☒ a. XML ✓
- ☐ b. FTP
- ☐ c. HTTP
- ☐ d. OODBMS

Question **35**

Correct

Mark 1.00 out of 1.00

An online drugstore such as Drugstore.com is an example of a 🗨️ _____.

Select one:

- ☒ a. e-commerce database application ✓
- ☐ b. enterprise resource planning system
- ☐ c. multiuser database application
- ☐ d. single-user database application

Question **36**

Correct

Mark 1.00 out of 1.00

A very popular development technique used by database professionals for database design is known as _____.

Select one:

- ☐ a. data models
- ☐ b. database extraction
- ☒ c. entity-relationship data modeling ✓
- ☐ d. normalization

Question **37**

Correct

Mark 1.00 out of 1.00

A database shows data in tables and the relationships among the rows in those tables.

Select one:

- ☒ True ✓
- ☐ False

Question **38**

Correct

Mark 1.00 out of 1.00

Bill Gates has said that "XML is the lingua-franca of the Internet Age."

Select one:

- ☒ True ✓
- ☐ False

Question **39**

Correct

Mark 1.00 out of 1.00

The industry standard supported by all major DBMSs that allows tables to be joined together is called _____.

Select one:

- ☐ a. Structured Question Language (SQL)
- ☐ b. Standard Question Language (SQL)
- ☒ c. Structured Query Language (SQL) ✓
- ☐ d. Sequential Query Language (SQL)

Question **40**

Correct

Mark 1.00 out of
1.00

Which of the following database systems is **not** enterprise-class?

Select one:

- ☐ a. Microsoft SQL Server
- ☐ b. Oracle Database
- ☒ c. Microsoft Access ✓
- ☐ d. IBM DB2