Quizlet

Chapter 11

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Key concepts:

| Real Time Processing | Natural Language Processing | Transaction Processing System |

Terms in this set (46)

A _____ is a collection of related data that can be stored, sorted, organized, and queried.	database
If a school keeps two lists, one for student registration and one for student financial information, both containing name and address information, this is an example of data _____.	redundancy
Data _____ means that the data	integrity

contained in a database is accurate and reliable.	
Data _____ helps to ensure data integrity by maintaining information in only one place.	centralization
In a database, the term _____ is synonymous with a category of information.	field
In a database, a group of related records is referred to as a(n) _____.	table
In a Microsoft Access database, something like the Gettysburg Address would be stored in a(n) _____ field.	long text
You can set a _____, which is automatically displayed in a field unless the user enters something different.	default value
Which of the following is a likely primary key in a student information record?	student id number
_____ is used to ensure that data is organized most efficiently in a database.	normalization
_____ databases are the most commonly used electronic databases.	relational
A _____ relationship indicates that for each record in a table, there is only a single corresponding record in a related table.	one-to-one

| _____ means that for each value in the foreign key of one table, | Referential integrity |

there is a corresponding value in the primary key of another table.	
Nontraditional data in object-oriented databases such as audio clips, video clips, pictures, and very large documents are called _____ data.	unstructured
Data in a multidimensional database is organized in a _____ format.	cube
A _____ check would be used in a field to restrict the fines for speeding violations so that they fall between $50 and $250.	range
A(n) _____ check determines whether a required field such as LastName was filled in.	completeness
A _____ check compares the values of data in two or more fields to see whether those values are reasonable.	consistency
You would use a _____ in a database to temporarily display records of residents for the city of Boston.	filter
A(n) _____ is a way of retrieving information from one or more tables that defines a particular subset of data.	query
A _____ displays a subset of data from a table (or tables) based on the specified criteria.	select query
SQL uses _____ to extract records from a database by using English-like expressions that have variables and operations.	relational algebra

_____ involves taking data from your database and putting it into an electronic file in a format that another external application or database can recognize.	Exporting
A data _____ is a large-scale collection of data that contains and organizes all of an organization's data in one place.	warehouse
Data staging consists of all of the following steps, EXCEPT _____.	mining the data
Big data analytics is usually associated with _____ services.	data warehouse
In a transaction-processing system (TPS), if the TPS database can be queried and updated while the transaction is taking place, this is called _____ processing.	real-time
Management information systems (MIS) provide reports called _____ reports, which show conditions that are unusual or need attention from users of the system.	exception
Siri, the personal assistant application on Apple's iPhone is an example of a _____.	natural language processing (NLP) system
_____ is the branch of computer science that attempts to create computers that think like humans.	Artificial intelligence
Data redundancy ensures that the data contained in the database is accurate and reliable.	F

Small slices of a data mart are called data warehouses.	F

A group of related records is called a table.	T
In an employee database, an employee's ID number, last name, first name, company position, address, city, state, and Zip Code make up a record.	T
When using Access, the text of the Declaration of Independence would be stored in a short text field.	F
Employees' last names would usually make an appropriate primary key field.	F
Normalization means that there are no data entry errors in a database.	F
In a relational database, when two tables have a common field, the link between the tables is known as a hyperlink.	F
A database schema defines the name, data type, and length of each field in the database.	T
A last name field is an example of a field that should have a default value.	F
Most databases can import electronic data from other software applications.	T
A filter is limited to extracting data from a single table.	T

The information in a data mart spans an entire enterprise.	F

Real-time processing means that transactions are updated when they occur.	T

A summary report generated by a MIS provides a list of the transactions that occurred during a specified time period.	F

Data mining analyzes and investigates large amounts of data with the intention of discovering significant patterns or trends.	T

THIS SET IS OFTEN IN FOLDERS WITH...

Chapter 10

46 terms

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Chapter 8: Managing a Digital Lifestyle: Media and...

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Chapter 9

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Chapter 7: Networking: Connecting Computing Devices

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