

8 Lecture - CS403

Important Mcqs

1. **Which of the following is a characteristic of an attribute in a database?**

- A. It describes the structure of a database
- B. It represents a relationship between entities
- C. It describes the properties of an entity
- D. It defines the rules for data manipulation

Answer: C

What is the difference between a single-valued and a multi-valued attribute?

- A. Single-valued attributes are mandatory, while multi-valued attributes are optional.
- B. Single-valued attributes can have only one value, while multi-valued attributes can have multiple values.
- C. Single-valued attributes are used to identify an entity, while multi-valued attributes are used to describe the entity.
- D. Single-valued attributes are atomic, while multi-valued attributes are composite.

Answer: B

Which of the following data types can an attribute have?

- A. String
- B. Numeric
- C. Date
- D. All of the above

Answer: D

Which of the following is not an example of an attribute?

- A. Customer ID
- B. Order Date
- C. Product Price
- D. Customer Address Book

Answer: D

In database design, what is the purpose of defining attributes?

- A. To identify relationships between entities
- B. To define the structure of the database
- C. To describe the properties of an entity
- D. To enforce data integrity rules

Answer: C

Which of the following is an example of a composite attribute?

- A. Customer Name
- B. Customer Address
- C. Customer Phone Number
- D. Customer Email Address

Answer: B

Which of the following is an example of a derived attribute?

- A. Customer ID

- B. Order Total
- C. Product Description
- D. Order Quantity

Answer: B

Which of the following is an example of a domain constraint on an attribute?

- A. A maximum length for a string attribute
- B. A minimum and maximum value for a numeric attribute
- C. A specific set of values for a categorical attribute
- D. All of the above

Answer: D

In a database table, what is a key attribute?

- A. An attribute used to uniquely identify each entity
- B. An attribute used to describe the properties of an entity
- C. An attribute used to define the relationships between entities
- D. An attribute used to enforce data integrity rules

Answer: A

What is the difference between a primary key and a foreign key in a database?

- A. A primary key is used to uniquely identify an entity, while a foreign key is used to represent a relationship between entities.
- B. A primary key is used to represent a relationship between entities, while a foreign key is used to uniquely identify an entity.
- C. A primary key and a foreign key are the same thing.
- D. A primary key is used to enforce data integrity rules, while a foreign key is used to define the structure of the database.

Answer: A