

# 14 Lecture - CS403

## Important Mcqs

1. **In a relational database, what is a table?**

- a) A group of related files
- b) A collection of related records
- c) A list of related fields
- d) A collection of related database objects

**Answer: b) A collection of related records**

**What is a primary key?**

- a) A key used for sorting records in a table
- b) A key that uniquely identifies each record in a table
- c) A key that defines the relationship between two tables
- d) A key that is used for authentication purposes

**Answer: b) A key that uniquely identifies each record in a table**

**Which of the following is not a data type commonly used in a relational database?**

- a) Integer
- b) Float
- c) Character
- d) Image

**Answer: d) Image**

**What is a foreign key?**

- a) A key that uniquely identifies each record in a table
- b) A key used for sorting records in a table
- c) A key that defines the relationship between two tables
- d) A key that is used for authentication purposes

**Answer: c) A key that defines the relationship between two tables**

**In a relational database, what is a view?**

- a) A subset of data from one or more tables
- b) A temporary table that can be used for sorting data
- c) A table that is used to store historical data
- d) A table that is used to store metadata

**Answer: a) A subset of data from one or more tables**

**Which of the following is not a property of a relation in a relational database?**

- a) Atomicity
- b) Consistency
- c) Durability
- d) Reliability

**Answer: d) Reliability**

**What is normalization in the context of a relational database?**

- a) The process of removing redundancy and ensuring data consistency

- b) The process of converting data from one format to another
- c) The process of adding new tables to a database
- d) The process of backing up a database

**Answer: a) The process of removing redundancy and ensuring data consistency**

What is a join in a relational database?

- a) A way of creating a new table from existing tables
- b) A way of selecting data from a table based on certain criteria
- c) A way of deleting data from a table
- d) A way of updating data in a table

**Answer: a) A way of creating a new table from existing tables**

**Which of the following is an example of a one-to-many relationship in a relational database?**

- a) One student taking many courses
- b) One course having many students
- c) One student having one course
- d) One course having one student

**Answer: b) One course having many students**

**What is a transaction in a relational database?**

- a) A set of SQL commands that are executed together
- b) A unit of work that is performed on a database
- c) A way of indexing data in a table
- d) A way of backing up a database

**Answer: b) A unit of work that is performed on a database**