

Course  
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Test Series

Self-Made Assignment - Data and Database Management System

Types of Database Keys

You have to write the answers to the questions in your notebook and write the descriptive questions in your own language:

Multiple Choice Questions (MCQs)

Ques 1- Which of the following keys is chosen from candidate keys to uniquely identify rows in a table?

- A) Foreign Key
- B) Super Key
- C) Primary Key
- D) Composite Key

Ques 2- In the Students table, if both StudentID and Email can uniquely identify a student, but only StudentID is used as the primary key, then Email is called:

- A) Foreign Key
- B) Alternate Key
- C) Super Key
- D) Composite Key

Ques 3- Which key allows null values and may contain duplicates while creating relationships between tables?

- A) Candidate Key
- B) Foreign Key
- C) Primary Key
- D) Composite Key

Ques 4- Which of the following is true about a Composite Key?

- A) It is always a single column
- B) It allows duplicates
- C) It is made up of multiple columns
- D) It always contains foreign keys

Ques 5- Which of the following is a super key in a table with Student ID as a primary key?

- A) Name
- B) (Student ID, Name)
- C) Email (non-unique)
- D) Age

True/False Questions

1. A primary key can contain null values.
2. A candidate key is always selected as the primary key.
3. A foreign key in one table refers to the primary key in another table.
4. A composite key must consist of at least two columns.
5. A super key may include unnecessary columns and still uniquely identify a row.

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**Types of Database Keys**

Matching Questions

| Column A - Key Type | Column B - Description  |
|---------------------|---|
| A. Primary Key      | 1. Chosen candidate key; uniquely identifies each row           |
| B. Foreign Key      | 2. Refers to a primary key in another table                     |
| C. Alternate Key    | 3. Candidate key not selected as the primary key                |
| D. Composite Key    | 4. Combination of two or more columns used to identify a record |
| E. Super Key        | 5. Any set of attributes that can uniquely identify a row       |

Descriptive Questions

Ques 1- Explain the difference between Primary Key, Candidate Key, and Alternate Key with examples.

Ques 2- Describe a Composite Key with a real-life example. How is it different from a Primary Key?

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