



Syed Babar Ali
School of Science and Engineering

CS5340 Databases – Fall 2025 (Quiz # 1)

Name: _____

Roll No: _____

Instructions

- 1- Read the Questions carefully to give concise Answers.
 - 2- Answers outside the box will not be considered. Answers ought to be readable
 - 3- Clearly mention any assumptions you have taken in your Answers.
 - 4- Explanation is only optional for MCQs that are based on definitions.
 - 5- Use of unfair means will result in an award of ZERO marks.
-

Q1. Which property of a relation makes the order of attributes irrelevant?

- A. Attribute ordering
- B. Tuple uniqueness
- C. Column domains
- D. Relation definition

Explain your answer:

Q2. In SQL Server, which type is best for storing very large text data (deprecated in new versions)?

- A. CHAR
- B. VARCHAR
- C. NVARCHAR
- D. TEXT

Explain your answer:

Q3. Which relational concept enforces that each employee belongs to a valid department?

- A. Primary key
- B. Foreign key
- C. CHECK constraint
- D. Unique index

Explain your answer:

Q4. A candidate key is best described as:

- A. A minimal set of attributes that uniquely identify a row
- B. Any column in a table
- C. A key that is always chosen as the primary key
- D. A non-unique column

Explain your answer:

Q5. Which constraint ensures that a column must always contain a value?

- | | |
|------------|----------------|
| A. DEFAULT | B. NOT NULL |
| C. CHECK | D. FOREIGN KEY |

Explain your answer:

Q6. Which SQL Server system database stores login information and server-level configuration?

- | | |
|-----------|-----------|
| A. model | B. msdb |
| C. tempdb | D. master |

Explain your answer:

Q7. Which of the following statements belongs to Data Control Language (DCL)?

- | | |
|-----------|----------|
| A. INSERT | B. GRANT |
| C. UPDATE | D. ALTER |

Explain your answer:

Q8. What happens to tempdb when SQL Server restarts?

- | | |
|------------------------------|--------------------------------|
| A. It persists with old data | B. It is cleared and recreated |
| C. It becomes read-only | D. It merges into msdb |

Explain your answer:

Q9. Which function returns the first non-NULL value among its arguments?

- A. ISNULL
- B. COALESCE
- C. NULLIF
- D. PARSE

Explain your answer:

Q10. What is the result of the expression SELECT 10 + NULL; in SQL Server?

- A. 10
- B. 0
- C. nan
- D. Error

Explain your answer:

Q11. Which query retrieves only FirstName and LastName from the Person.Person table?

- A. SELECT * FROM Person.Person;
- B. SELECT FirstName + LastName FROM Person.Person;
- C. SELECT FirstName, LastName FROM Person.Person;
- D. SELECT Name FROM Person.Person;

Explain your answer:

Q12. In SQL Server, which keyword is used to sort query results?

- A. SORT BY
- B. ORDER BY
- C. GROUP BY
- D. FILTER BY

Explain your answer:

Q13. In Docker, what does the -p 1433:1433 flag do for SQL Server containers?

- A. Mounts a volume
- B. Sets the container name
- C. Maps SQL Server port to the host
- D. Accepts the EULA

Explain your answer:

Q14. In C#, which loop will execute at least once even if the condition is false?

- A. for
- B. foreach
- C. while
- D. do-while

Explain your answer:

Q15. What does the C# statement `Console.WriteLine("Hello");` do?

- A. Declares a string variable
- B. Prints “Hello” to the console
- C. Reads input from console
- D. Terminates the program

Explain your answer:

END OF QUIZ
