

# 27 Lecture - CS403

## Important Subjective

### 1. What is the ALTER TABLE statement used for in SQL?

Answer: The ALTER TABLE statement is used to modify the structure of an existing table in SQL.

### How do you add a new column to an existing table using the ALTER TABLE statement?

Answer: You can add a new column to an existing table using the ALTER TABLE statement with the ADD keyword followed by the column name and data type.

### Can you modify the data type of an existing column using the ALTER TABLE statement?

Answer: Yes, you can modify the data type of an existing column using the ALTER TABLE statement with the MODIFY keyword followed by the column name and new data type.

### How do you delete a column from an existing table using the ALTER TABLE statement?

Answer: You can delete a column from an existing table using the ALTER TABLE statement with the DROP keyword followed by the column name.

### How do you rename an existing table using the ALTER TABLE statement?

Answer: You can rename an existing table using the ALTER TABLE statement with the RENAME keyword followed by the new table name.

### What is a primary key constraint and how do you set it using the ALTER TABLE statement?

Answer: A primary key constraint is a unique identifier for a row in a table. You can set a primary key constraint using the ALTER TABLE statement with the ADD keyword followed by the PRIMARY KEY keyword and the column name.

### What is a foreign key constraint and how do you add it to an existing table using the ALTER TABLE statement?

Answer: A foreign key constraint is used to link two tables together based on a common column. You can add a foreign key constraint to an existing table using the ALTER TABLE statement with the ADD keyword followed by the FOREIGN KEY keyword and the column name.

### What is a unique constraint and how do you set it using the ALTER TABLE statement?

Answer: A unique constraint ensures that each value in a column is unique. You can set a unique constraint using the ALTER TABLE statement with the ADD keyword followed by the UNIQUE keyword and the column name.

### What is a check constraint and how do you add it to an existing table using the ALTER TABLE statement?

Answer: A check constraint is used to ensure that the values in a column meet a certain condition. You can add a check constraint to an existing table using the ALTER TABLE statement with the ADD keyword followed by the CHECK keyword and the condition.

### Can you modify the name of an existing column using the ALTER TABLE statement?

Answer: Yes, you can modify the name of an existing column using the ALTER TABLE

statement with the MODIFY keyword followed by the column name and the new name.