





CREATE TABLE Teachers (

teacher\_id SERIAL PRIMARY KEY,

first\_name VARCHAR(50),

last\_name VARCHAR(50),

subject\_taught VARCHAR(50)

);

INSERT INTO Teachers (teacher\_id, first\_name, last\_name, subject\_taught) VALUES

(1, 'John', 'Smith', 'Mathematics'),

(2, 'Alice', 'Johnson', 'English'),

(3, 'Michael', 'Brown', 'Science'),

(4, 'Sarah', 'Williams', 'History'),

(5, 'David', 'Davis', 'Computer Science'),

(6, 'Emily', 'Miller', 'Art'),

(7, 'Daniel', 'Wilson', 'Physics'),

(8, 'Olivia', 'Taylor', 'Music'),

(9, 'James', 'Anderson', 'Geography'),

(10, 'Sophia', 'Thomas', 'Chemistry'),

(11, 'William', 'Jackson', 'Biology'),

(12, 'Emma', 'White', 'Physical Education'),

(13, 'Ethan', 'Harris', 'Foreign Language'),

(14, 'Ava', 'Martin', 'Economics'),

(15, 'Matthew', 'Thompson', 'Psychology'),

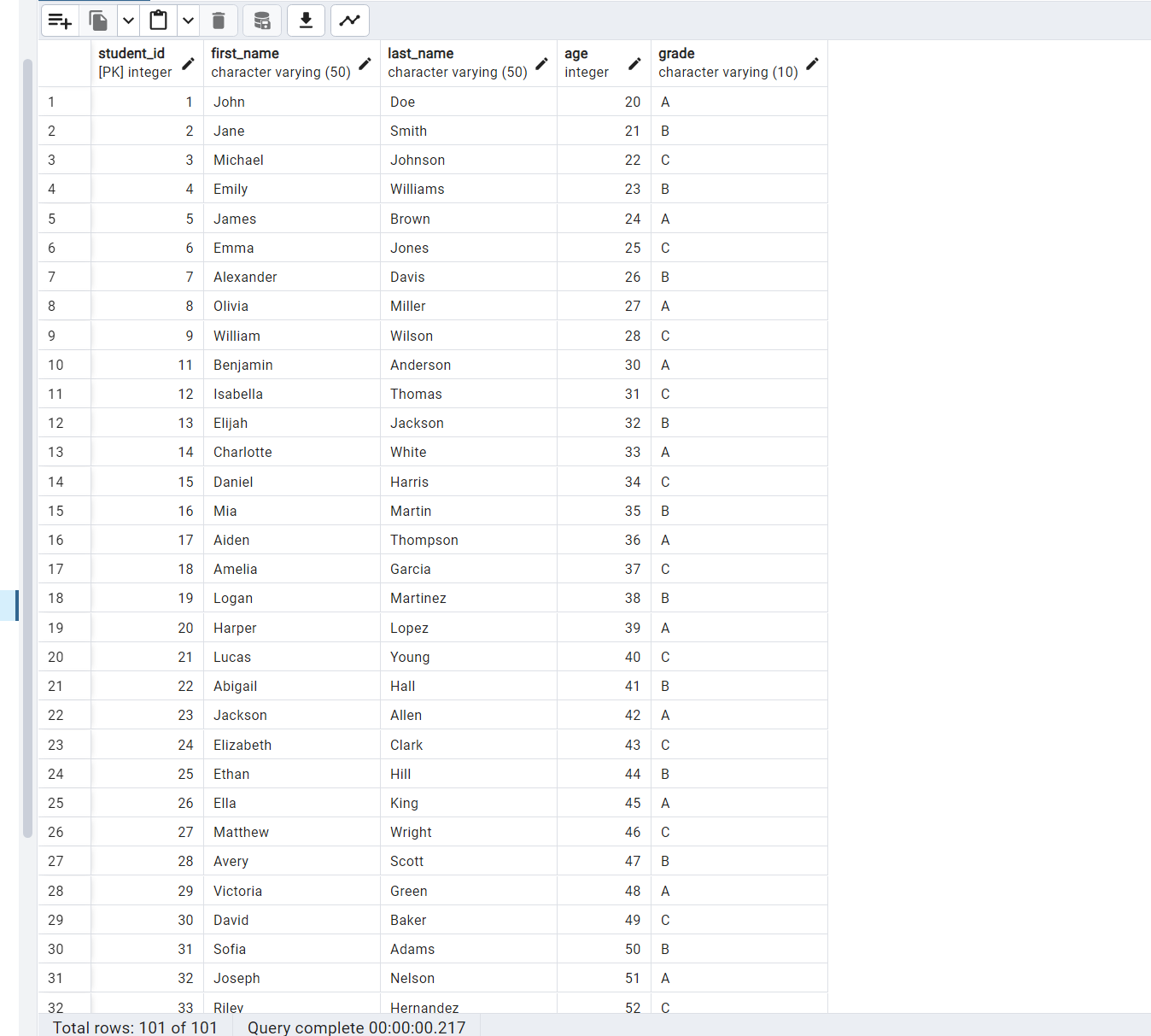
(16, 'Amelia', 'Garcia', 'Sociology'),

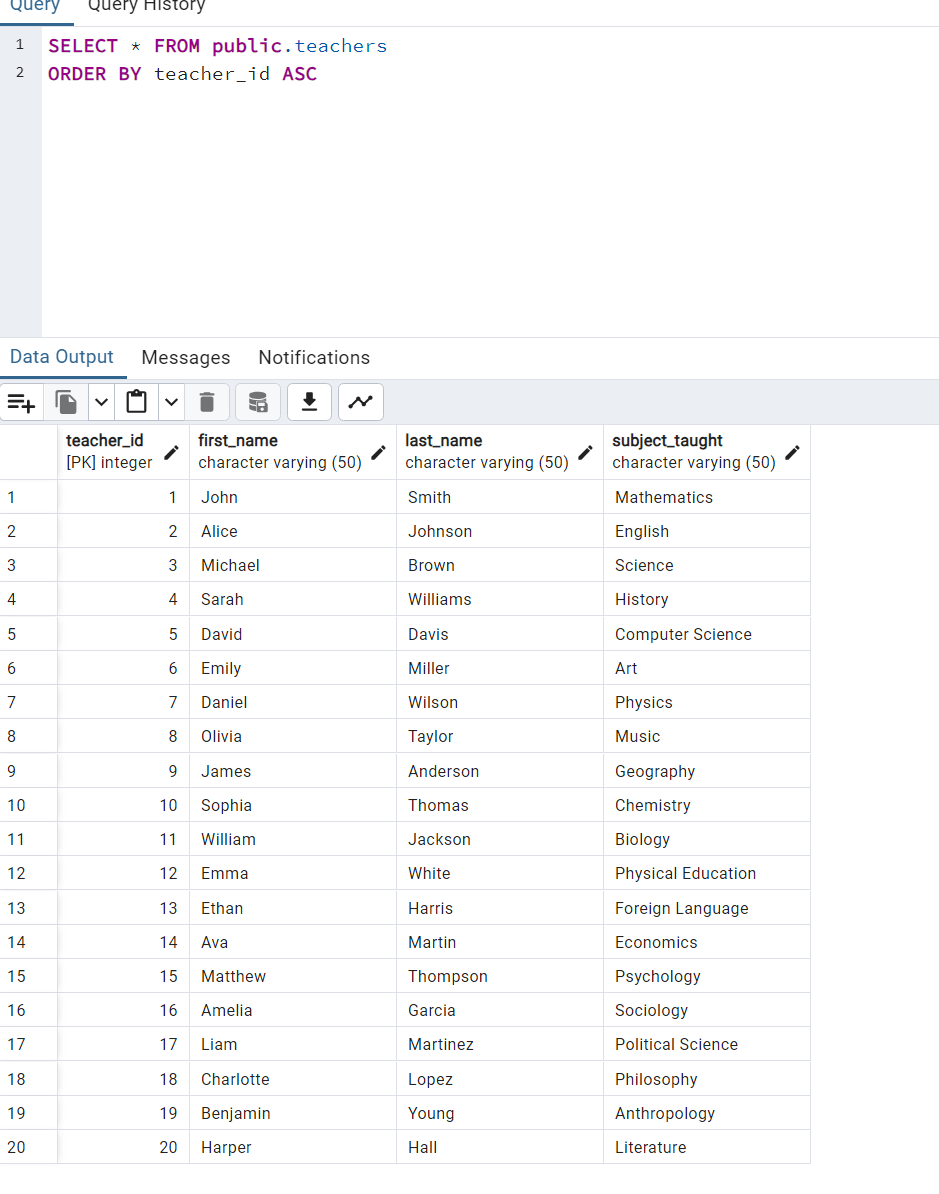
(17, 'Liam', 'Martinez', 'Political Science'),

(18, 'Charlotte', 'Lopez', 'Philosophy'),

(19, 'Benjamin', 'Young', 'Anthropology'),

(20, 'Harper', 'Hall', 'Literature');

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**CREATE TABLE Courses (**

**course\_id SERIAL PRIMARY KEY,**

**teacher\_id INT,**

**course\_name VARCHAR(100),**

**FOREIGN KEY (teacher\_id) REFERENCES Teachers(teacher\_id)**

**);**

**INSERT INTO Courses (course\_id, teacher\_id, course\_name) VALUES**

**(1, 1, 'Introduction to Computer Science'),**

**(2, 2, 'Data Structures and Algorithms'),**

**(3, 3, 'Database Management Systems'),**

**(4, 4, 'Web Development Fundamentals'),**

**(5, 5, 'Software Engineering Principles'),**

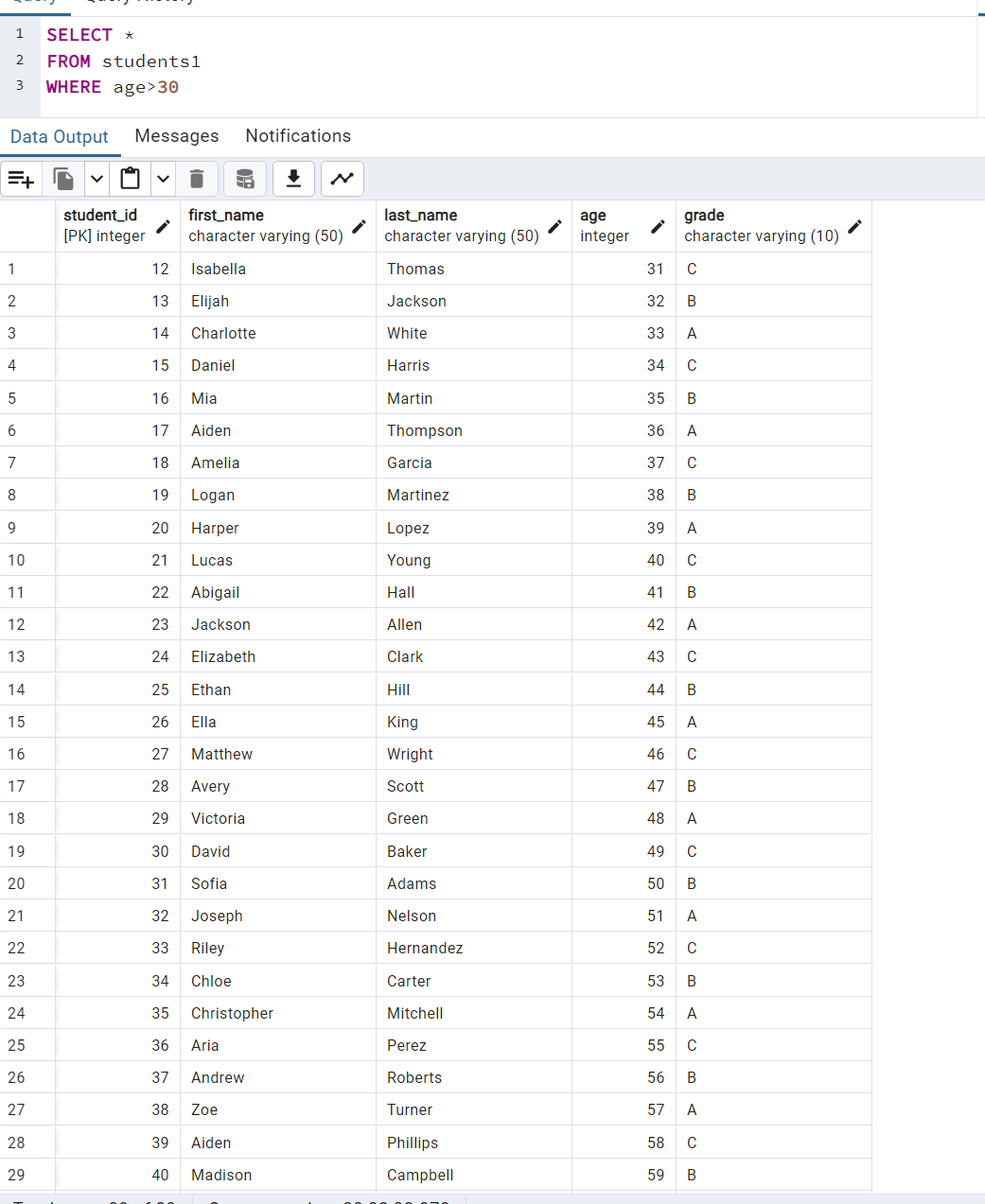
**(6, 6, 'Machine Learning Basics'),**

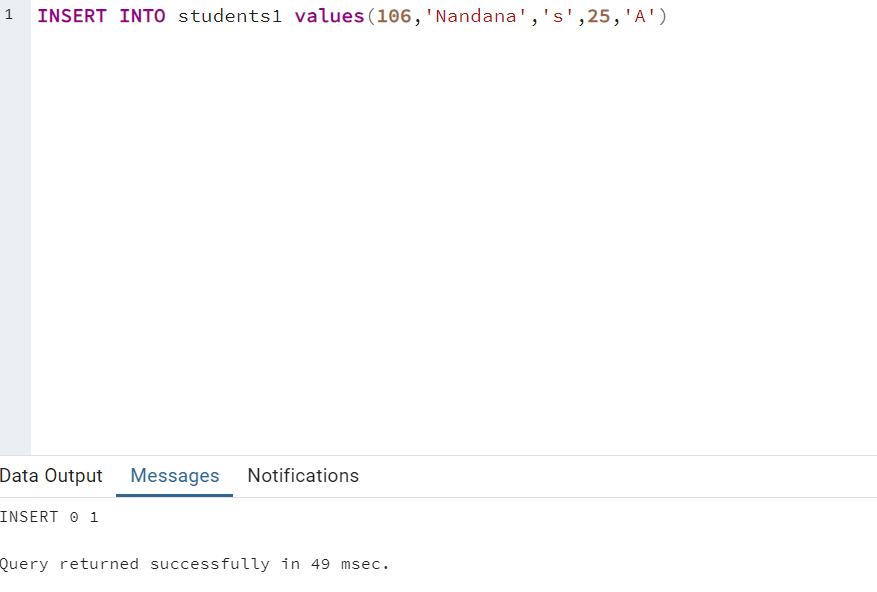
**(7, 7, 'Network Security Fundamentals'),**

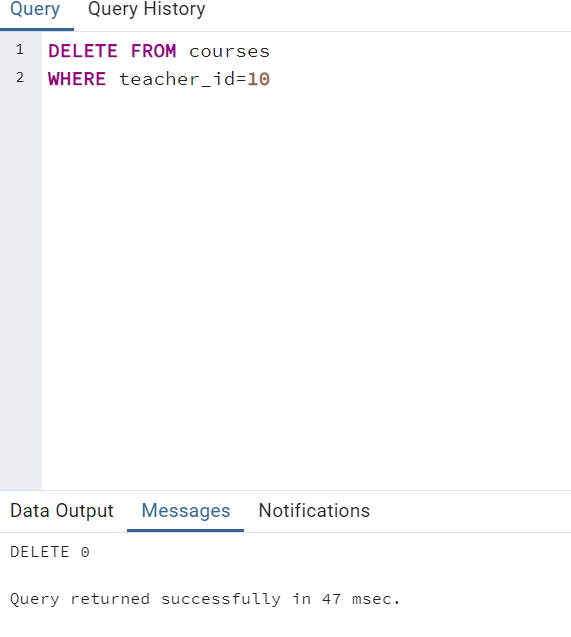
**(8, 8, 'Operating Systems Concepts'),**

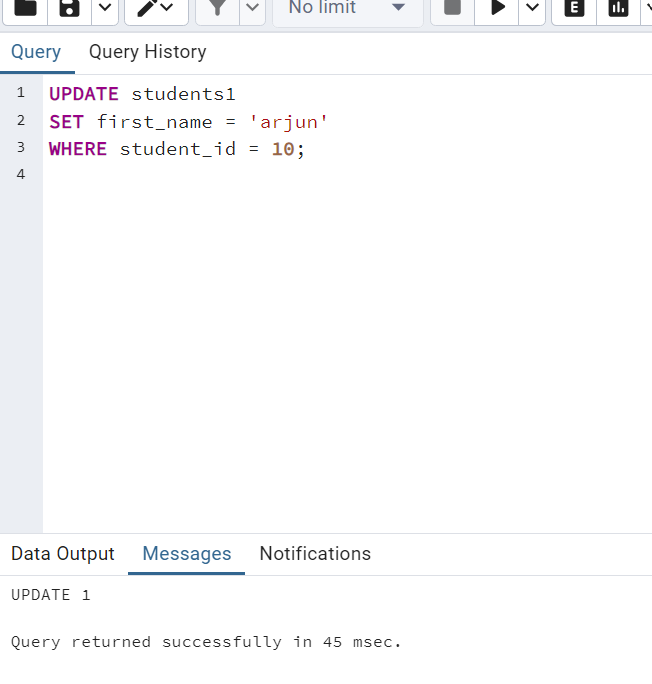
**(9, 9, 'Artificial Intelligence Fundamentals'),**

**(10, 10, 'Mobile Application Development');**

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