ARRAYS-CONSTRUCTOR-STATIC-THIS

SPOT QUESTION:

An educational platform offers various online courses. Each student can enroll in a **different number of courses**, and their **marks** for each course need to be stored and analyzed. The system also keeps track of how many students have been registered using a **static counter**. The developers want to ensure good design using the this keyword where appropriate.

Requirements
Class: Student
1. **Instance variables**:
   o String name
   o int studentId
   o int[] marks – stores marks in multiple courses
2. **Static variables**:
   o int studentCount – total number of students created
3. **Constructor**:
   o Accepts name, studentId, and an array of marks (use this to assign them).
   o Increments studentCount each time a student is created.
4. **Methods**:
   o double calculateAverage() – returns the average of that student's marks.
   o void displayDetails() – prints name, ID, marks, and average.
   o static int getStudentCount() – returns total students created.