**Problem Statement:**

developing a C++ program to manage and process **student grades** using both fixed-size arrays and dynamic arrays (using vectors). The system should allow the user to:

1. **Add student names and their respective grades** (using fixed-size arrays).
2. **Sort the student data** (names and grades) in descending order based on their grades.
3. **Allow dynamic addition of new students and grades** using a std::vector.
4. **Display the student list** before and after sorting.

**Learnings from the Problem Statement:**

1. **Static Arrays vs. Dynamic Arrays:**
   * **Static arrays** in C++ have a fixed size determined at compile-time, which can be limiting. Using **dynamic arrays** like std::vector allows flexibility in memory allocation, enabling the program to handle varying amounts of data at runtime.

