

Master Shifu

“The Forbidden Training Records”

Shifu maintains centuries of training logs containing scores from every warrior who ever trained at the Jade Palace.

The logs are stored in a memory array carved into enchanted scrolls.

During a yearly review, he notices that some records show corrupted symbols — strange characters that do not belong to any warrior.

After days of checking, he discovers that the review system attempts to read **one entry past the end of the scroll**, accidentally accessing unassigned memory filled with random data.

Your task:

Explain how out-of-bounds access leads to undefined and unpredictable results, describe real-world dangers of memory corruption, and propose safeguards that ensure every traversal respects the exact limits of the stored data.