Big-O Notation: It actually a way to show how fast or slow a code runs as the amount of data grows, it tells if an algorithm grows fast or slow as the input size is getting increase.

Big-O important for programmers: It is important because it helps a programmer to choose efficient algorithms. For instance, when searching for names in roster, a good algorithm finds names quickly even the size grows from 30 to 300 students. It helps to choose the most efficient approach.

Vector is a better choice than array: First of all, Vector is dynamic, while arrays are fixed in Size. Using vector, we can easily insert, remove from “John Jay Cafeteria Menu”, this flexibility makes the vector more efficient in real-life situations.