

## CMSC 131 Fall 2004 Quiz 7 Solution

This is one possible solution.

```
public class WaitList {
    private Student[] array;

    /* constructor */
    public WaitList() {
        array = new Student[0];
    }

    /* add student - expand array if needed */
    public void add(Student student) {
        Student[] newArray = new Student[array.length+1];
        for (int i = 0; i < array.length; i++) {
            newArray[i] = array[i];
        }
        newArray[array.length] = new Student(student);
        array = newArray;
    }

    /* toString */
    public String toString() {
        String result = "";
        for (int i = 0; i < array.length; i++) {
            result += array[i] + "\n";
        }
        return result;
    }
}
```