Lab 7 Report

Date:

Group: Wednesday Group 08

Group Members:

# Objectives/Concepts explored and their Importance in Computer Science

# Expected Results

Include in your lab submission a paragraph for each of the 3 versions of the class a description of what is trying to be achieved, what the strengths and weaknesses are and how you think it will perform.

## Task 1

## Task 2

## Task 3

# Actual Results

## Results for 100 runs

Run the program 100 times against the 3 versions of the class. Describe your results and how they compare with your expected results from the end of Task 3

### Task 1

### Task 2

### Task 3

## Results for 100 runs when arrays have 50 items

Increase the size of the array to hold 50 items. And rerun the program 100 times. Describe your results and how they compare with the previous step.

### Task 1

### Task 2

### Task 3

## Results for 100 runs when arrays have 10 items

Decrease the size of the array to hold 10 items and rerun the program 100 times. Describe your results and how they compare with the previous step.

### Task 1

### Task 2

### Task 3

# Discussion and Screenshots

Include in the lab report a screen shot(s) of the output of a test. Include a discussion of how you designed your program to simplify running it and reporting results 100 times. Discuss your methods for analyzing the results and why you believe those methods are valid. Discuss other methods you discussed as a group and decided not to use.

# Contributions