**SYSC 4001 Assignment 2 Testing**

Mandatory Test 1:

Please enter integer 1: 5

Please enter integer 2: 6

Please enter integer 3: 8

Please enter integer 4: 2

Please enter integer 5: 7

Run in debug mode? (Y/N)y

Process P3: No swap

Process P2: Swapped

Process P1: Swapped

Process P4: Swapped

Process P3: Swapped

Process P2: No swap

Process P4: No swap

Process P1: Swapped

Process P2: Swapped

Process P4: No swap

Process P3: No swap

Process P1: No swap

Process P4: No swap

Process P2: No swap

Array: 8 7 6 5 2

Minimum: 2

Maximum: 8

Median: 6

The first mandatory test case worked. The child processes were only swapped if the number right of it was greater and if the adjacent child processes were not in the process of swapping. The program swapped the minimum number of required times of six and if a child process did not need to swap if it was idle it prints ‘No swap’.

Mandatory Test 2:

Please enter integer 1: 10

Please enter integer 2: 9

Please enter integer 3: 11

Please enter integer 4: 7

Please enter integer 5: 5

Run in debug mode? (Y/N)Y

Process P1: No swap

Process P1: No swap

Process P1: No swap

Process P1: Swapped

Process P1: No swap

Process P1: No swap

Process P2: Swapped

Process P1: No swap

Process P1: No swap

Process P3: No swap

Process P2: No swap

Process P1: No swap

Process P1: No swap

Process P4: No swap

Process P2: No swap

Process P1: No swap

Process P4: No swap

Process P3: No swap

Process P2: No swap

Process P1: No swap

Array: 11 10 9 7 5

Minimum: 5

Maximum: 11

Median: 9

The second mandatory test case worked. The child processes were only swapped if the number to its right, was greater and if the adjacent child processes were not in the process of swapping. The program swapped the minimum number of required times of three and if a child process did not need to swap if it was idle it prints ‘No swap’.

Additional Test 3:

Please enter integer 1: 11

Please enter integer 2: 2

Please enter integer 3: 4

Please enter integer 4: 7

Please enter integer 5: 6

Run in debug mode? (Y/N)y

Process P1: No swap

Process P1: No swap

Process P1: No swap

Process P1: No swap

Process P1: No swap

Process P1: No swap

Process P1: No swap

Process P1: No swap

Process P1: No swap

Process P2: Swapped

Process P3: Swapped

Process P4: Swapped

Array: 11 7 6 4 2

Minimum: 2

Maximum: 11

Median: 6

The first additional test case worked. The child processes were only swapped if the number to its right, was greater and if the adjacent child processes were not in the process of swapping. The program swapped the minimum number of required times of three and if a child process did not need to swap if it was idle it prints No swap.