Discussion of Test Results

Mandatory Test Data:

$$[5 \quad 6 \quad 8 \quad 2 \quad 7]$$

```
dhcp-72-36:Assignment 2 christiansargusingh$ make all
gcc STATS.c -o s
dhcp-72-36:Assignment 2 christiansargusingh$ make run
./s
Memory attached at AC2000
Run in debug mode? [Y/N]
N

Input 5 distinct integers:
1. 5
2. 6
3. 8
4. 2
5. 7

Child Process 0: latched onto position 0 and 1
Child Process 1: latched onto position 1 and 2
Child Process 2: latched onto position 2 and 3
Child Process 3: latched onto position 3 and 4

Sorted Data Set:
8 7 6 5 2

Maximum: 8
Median: 6
Minimum: 2

Detaching and deallocating shared memory...

------- Process Complete -------
dhcp-72-36:Assignment 2 christiansargusingh$ █
```

Mandatory Test Data:

$$[10 \quad 9 \quad 11 \quad 5 \quad 7]$$

```
dhcp-72-36:Assignment 2 christiansargusingh$ make all
gcc STATS.c -o s
dhcp-72-36:Assignment 2 christiansargusingh$ make run
./s
Memory attached at 52A8000
Run in debug mode? [Y/N]
N

Input 5 distinct integers:
1. 10
2. 9
3. 11
4. 5
5. 7

Child Process 2: latched onto position 2 and 3
Child Process 0: latched onto position 0 and 1
Child Process 1: latched onto position 1 and 2
Child Process 3: latched onto position 3 and 4

Sorted Data Set:
11 10 9 7 5

Maximum: 11
Median: 9
Minimum: 5

Detaching and deallocating shared memory...

------- Process Complete -------
dhcp-72-36:Assignment 2 christiansargusingh$ ▌
```

Chosen Test Data:

$$[208 \quad 435 \quad 567 \quad 920 \quad 754]$$

```
dhcp-72-36:Assignment 2 christiansargusingh$ make all
gcc STATS.c -o s
dhcp-72-36:Assignment 2 christiansargusingh$ make run
./s
Memory attached at 901C000
Run in debug mode? [Y/N]
N

Input 5 distinct integers:
1. 208
2. 435
3. 567
4. 920
5. 754

Child Process 0: latched onto position 0 and 1
Child Process 1: latched onto position 1 and 2
Child Process 2: latched onto position 2 and 3
Child Process 3: latched onto position 3 and 4

Sorted Data Set:
920 754 567 435 208

Maximum: 920
Median: 567
Minimum: 208

Detaching and deallocating shared memory...

------ Process Complete ------
dhcp-72-36:Assignment 2 christiansargusingh$ █
```

Chosen Test Data:

$$[1 \quad 3 \quad 4 \quad 2 \quad 1]$$

```
dhcp-72-36:Assignment 2 christiansargusingh$ make all
gcc STATS.c -o s
dhcp-72-36:Assignment 2 christiansargusingh$ make run
./s
Memory attached at E400000
Run in debug mode? [Y/N]
N

Input 5 distinct integers:
1. 1
2. 3
3. 4
4. 2
5. 1

ERROR: Input only distinct integers.

Input 5 distinct integers:
1. █
```