UCS 1312 Data Structures Lab

A8: Priority Queue - Application of Binary Heap

# Learning Experience

|  | **Technical Outcome.** | Rate yourself in the scale of 1 to 3  1 – Not confident, more practice required.  2 - Could modify available code but not able to write own logic.  3 - Proficient in Binary heaps | Comments |
| --- | --- | --- | --- |
| 1 | Algorithm writing | 2 |  |
| 2 | Binary Heap ADT | 3 |  |
| 3 | Use of Binary heap in C | 3 |  |
| 4 | Compilation Errors correction | 3 |  |
|  | **Best Practices** | | |
|  | Suggested by the Instructor | Rate yourself in the scale of 1 to 3  1 – Need to improve.  2 - Inconsistent in applying  3 - Proficient with the practice |  |
| B1 | Verification of algorithm using Hand trace | 3 |  |
| B2 | Modular design and coding using versions | 3 |  |
| B3 | Avoid using break and global variables | 2 | Used an external variable to overcome the flaw in logic |
| B4 | Test case design | 3 |  |
| B5 | Readability of code | 3 |  |

# Overall Experience

* Returning arrays from functions - need to be more proficient