UCS 1312 Data Structures Lab

A7: Applications of AVL Trees

# 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 AVL | Comments |
| --- | --- | --- | --- |
| 1 | Algorithm writing | 2 |  |
| 2 | AVL ADT | 1 | Need to be more effective in logic |
| 3 | Use of AVL in C | 2 |  |
| 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 | 3 |  |
| B4 | Test case design | 3 |  |
| B5 | Readability of code | 3 |  |

# Overall Experience

* Need to be more efficient in logic especially the rotations w.r.t cases.