* Each test will be conducted x3 🡪 average of the times will be taken
  + These will be done with the 2 data structures

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ISAIAH** | **BSP\_Combined** | **Small Tree (10^2)** | **Half Tree (10^4)** | **Full Tree**  **(10^6)** |
| **Loading Tree** |  |  |  |  |
| Node Splitting/Addition |  |  |  |  |
| Finding Child |  |  |  |  |
| Finding Parent |  |  |  |  |
| PreOrder Transversal |  |  |  |  |
| InOrder Transversal |  |  |  |  |
| PostOrder Transversal |  |  |  |  |
| **JACK** | **BSP\_Combined** | **Small Tree (10^2)** | **Half Tree (10^4)** | **Full Tree**  **(10^6)** |
| **Loading Tree** |  |  |  |  |
| Node Spiliting/Addition |  |  |  |  |
| Finding Child |  |  |  |  |
| Finding Parent |  |  |  |  |
| PreOrder Transversal |  |  |  |  |
| InOrder Transversal |  |  |  |  |
| PostOrder Transversal |  |  |  |  |

* Each test done on 2 separate systems (Isaiah & Jack)

**SEQENTIAL TESTS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ISAIAH** | **BSP\_Combined** | **Small Tree (10^2)** | **Half Tree (10^4)** | **Full Tree**  **(10^6)** |
| **Loading Tree** |  |  |  |  |
| Node Spiliting/Addition |  |  |  |  |
| Finding Child |  |  |  |  |
| Finding Parent |  |  |  |  |
| PreOrder Transversal |  |  |  |  |
| InOrder Transversal |  |  |  |  |
| PostOrder Transversal |  |  |  |  |
| **JACK** | **BSP\_Combined** | **Small Tree (10^2)** | **Half Tree (10^4)** | **Full Tree**  **(10^6)** |
| **Loading Tree** |  |  |  |  |
| Node Spiliting/Addition |  |  |  |  |
| Finding Child |  |  |  |  |
| Finding Parent |  |  |  |  |
| PreOrder Transversal |  |  |  |  |
| InOrder Transversal |  |  |  |  |
| PostOrder Transversal |  |  |  |  |

**LINKED LIST TESTS**

Performing a test

1. In configurations 🡪 Program arguments, use either
   1. seqtree -f tree.txt tree.exp
   2. linktree -f tree.txt tree.exp
2. Select tree.txt from AA\_Assign\_1\_testing/datasets/[folder]
3. Copy those files into Assignment1\_s3743803 (directory of all the java code files)
4. Run TreeTester\_Task\_B
5. Note the time taken to load the tree (above Ready)
6. Run tests commands in order below
7. Take the generated tree.exp & tree.in files & place them in AA\_Assign\_1\_testing/datasets/[folder]

**TP**

**TI**

**TS**

**FP [childNode]**

**FC [parentNode]**

**SP [childNode] [01] [02]**

**Q**

\*\*\*\*Use the right most node of the last line in tree.txt as childNode

\*\*\*\* Use the left most node of the last line in tree.txt as parentNode

\*\*\*\* 01 and 02 are the actual values to be used