|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **BST** | **Worst case time complexity of BST** | **Hash Table** | **Worst case time complexity of HT** |
| **Search** | <time taken to perform 100 searches> | 0.0004s | <time taken to perform 100 searches> | 0.02 s |
| **Insert** | <time taken to perform 100 inserts> | 0.0002 s | <time taken to perform 100 inserts> | 0.013 s |
| **Delete** | <time taken to perform 100 deletes> | 0.0003 s | <time taken to perform 100 deletes> | 0.015 s |
| **Sort** | <time taken to sort all the words> | 0.012 s | <time taken to sort all the words> | 0.029 s |
| **Range query**  **(n=10)** | <time taken to range query n words> | 0.002 s | <time taken to range query n words> | 0.01 |
| **Range query**  **(n=100)** | <time taken to range query n words> | 0.095 s | <time taken to range query n words> | 0.094 s |
| **Range query**  **(n=1000)** | <time taken to range query n words> | 0.634 s | <time taken to range query n words> | 0.553 s |