Big O of Common Data Structure Operations

Array

Operation	Time	Space
Access	O(1)	O(n)
Search	O(n)	O(n)
Insert	O(n)	O(n)
Delete	O(n)	O(n)

Hash Table

Operation	Time	Space
Access	N/A	N/A
Search	O(n)	O(n)
Insert	O(n)	O(n)
Delete	O(n)	O(n)

Binary Search Tree

Operation	Time	Space
Access	O(n)	O(n)
Search	O(n)	O(n)
Insert	O(n)	O(n)
Delete	O(n)	O(n)