

Processing time analysis for Different Data structures –

For Input (1000 elements)

Data Structure	Insertion	Search	Deletion
Array Queue			
Iteration 1	0.000946	--	0.000738
Iteration 2	0.000978	--	0.000789
Iteration 3	0.002253	--	0.001768
Iteration 4	0.001674	--	0.001348
Iteration 5	0.000951	--	0.000781
Linked List Queue			
Iteration 1	0.000302	--	0.000581
Iteration 2	0.000302	--	0.000628
Iteration 3	0.000540	--	0.001089
Iteration 4	0.000475	--	0.000962
Iteration 5	0.000300	--	0.000590
Sorted List			
Iteration 1	0.000631	0.000933	0.000645
Iteration 2	0.000677	0.000984	0.000637
Iteration 3	0.001324	0.001889	0.001162
Iteration 4	0.001118	0.001461	0.001000
Iteration 5	0.000652	0.000960	0.000619
BST			
Iteration 1	0.000638	0.000350	0.000370
Iteration 2	0.000857	0.000818	0.000399
Iteration 3	0.000898	0.000861	0.000909
Iteration 4	0.000753	0.000731	0.000770
Iteration 5	0.000393	0.000353	0.000406

