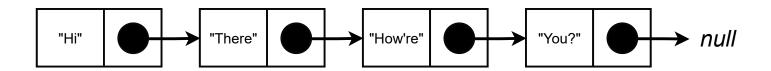
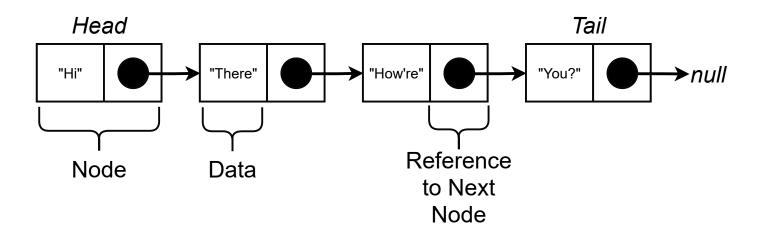
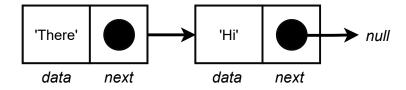
Linked Lists

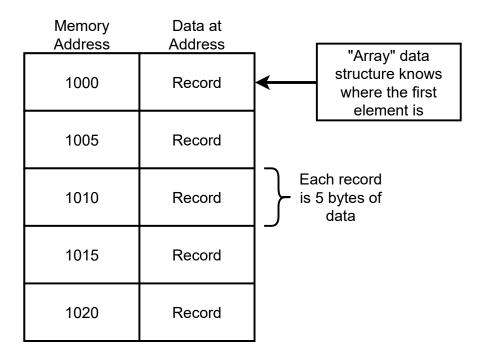


Linked Lists

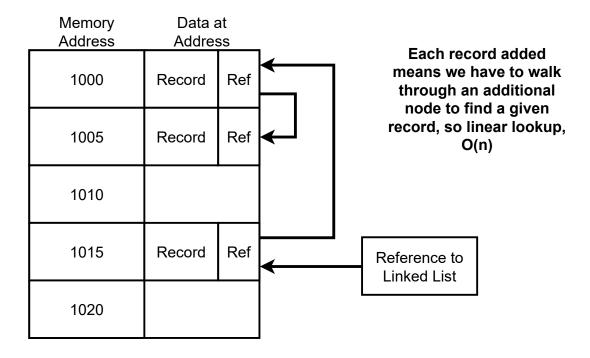


const n1 = new Node('Hi')
n1.data // 'Hi'
n1.next // null
const n2 = new Node('There', n1);
n2.next // returns n1



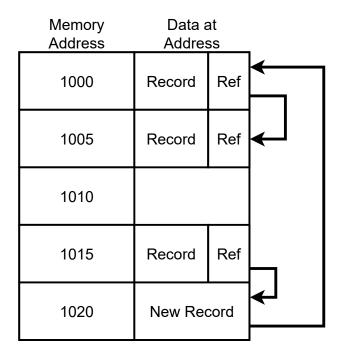


Memory Address	Data at Address	
1000	Record	Third element (index 2) is at address 1000 + 2 * 5 bytes = 1010 If we add more records, it will still take the same amount of time to find a given record, so constant time lookup, O(1)
1005	Record	
1010	Record	
1015	Record	
1020	Record	



Memory Address	Data at Address
1000	Record
1005	Record
1010	New Record!
1015	Record
1020	Record
	Record

Record Insertion with Arrays. O(n)



Record Insertion with Linked Lists. O(1) + Search Time

