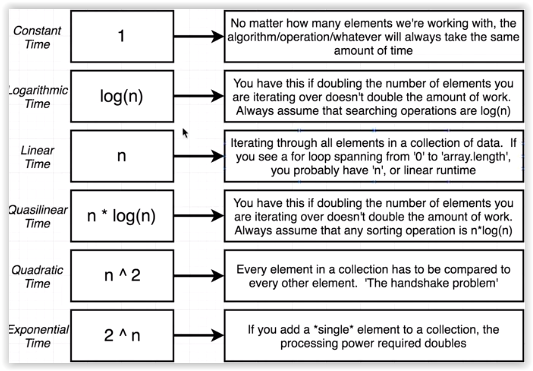
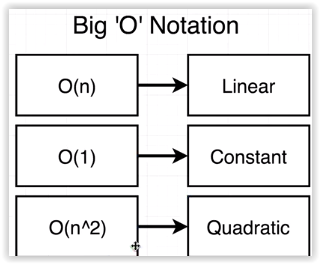
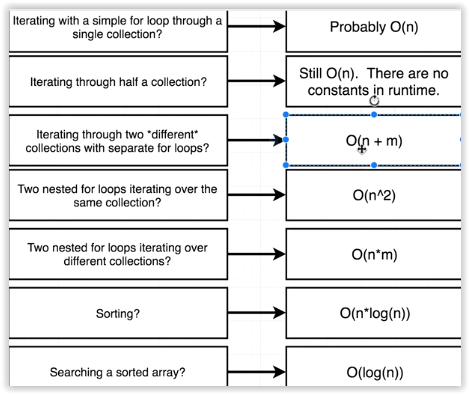


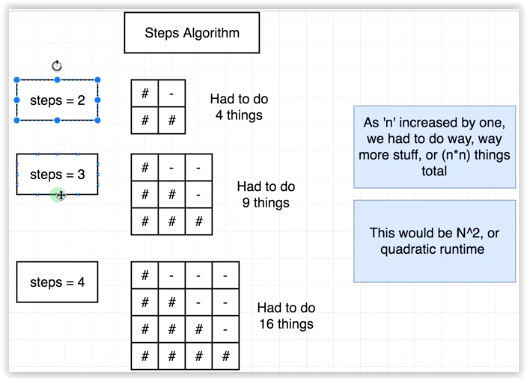
**Determining Complexity**

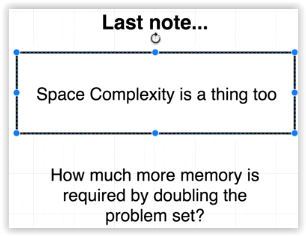
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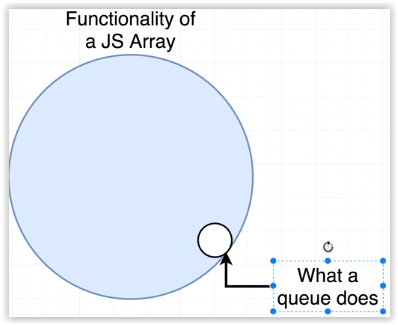
****

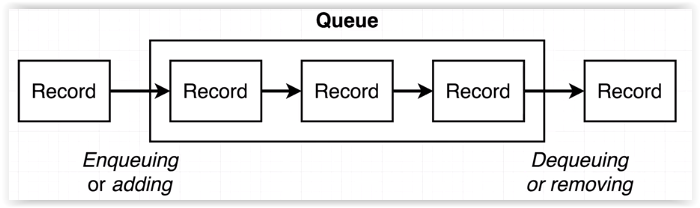
****

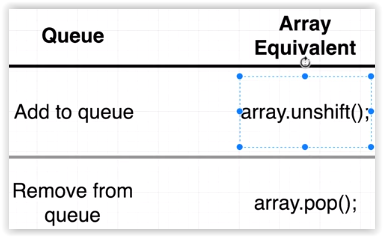
Steps and pyramid algorithm is quadratic complexity(n^2), which are seen with nested for loops.

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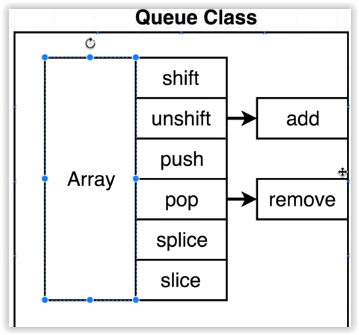
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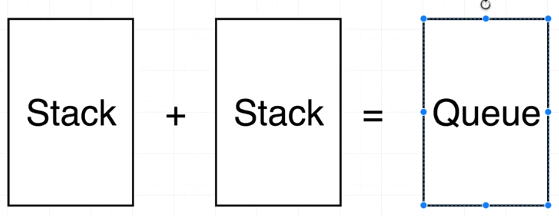
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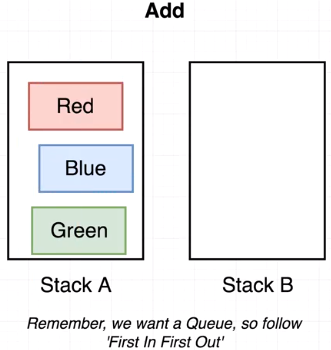
****

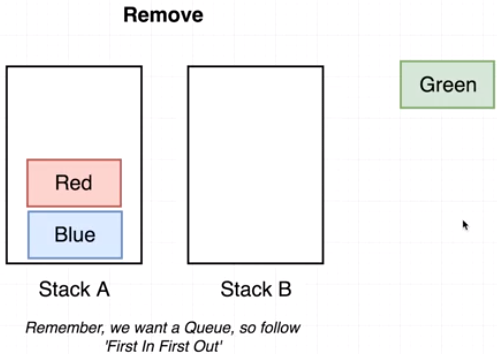
ES6 Class

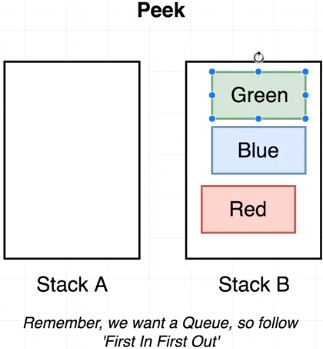
****

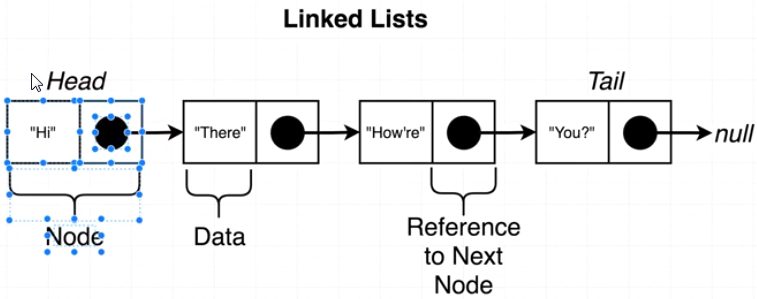
**Classic stack plus queue combo interview question.**

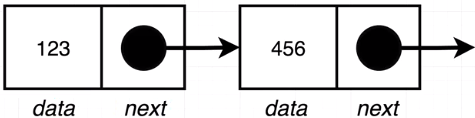


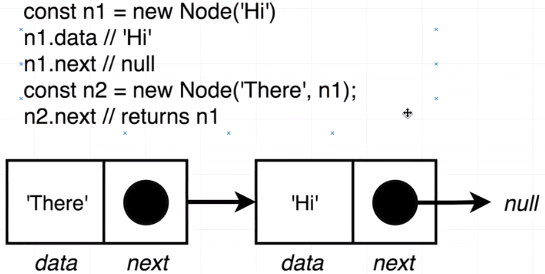


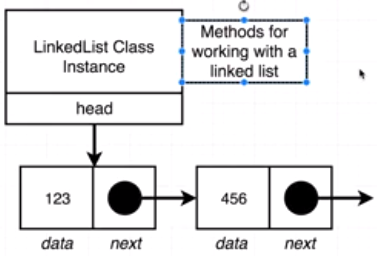






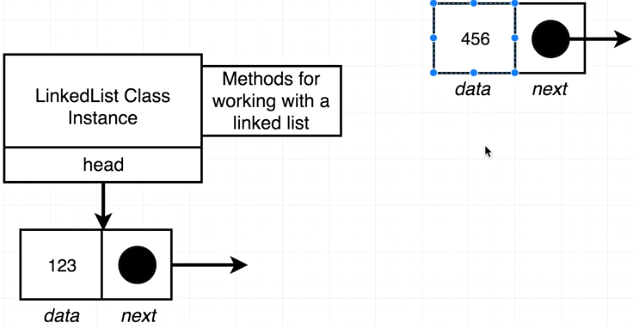




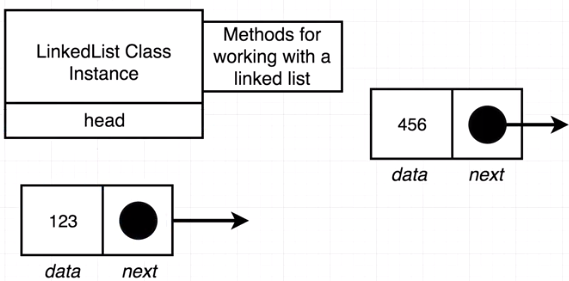


**LINKED LIST InsertFirst**

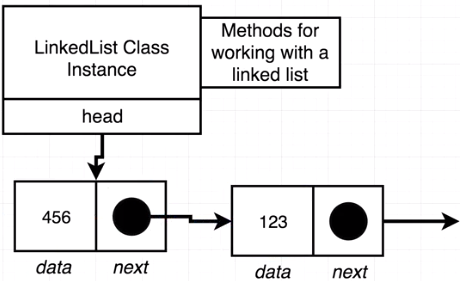
1. Create brand new node 456 and pass in piece of data.



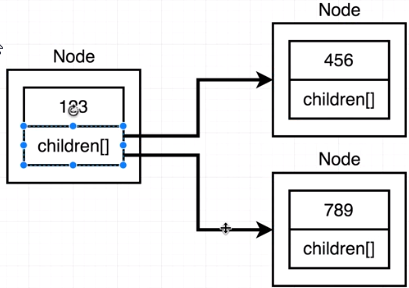
2. Break reference between head and 123.



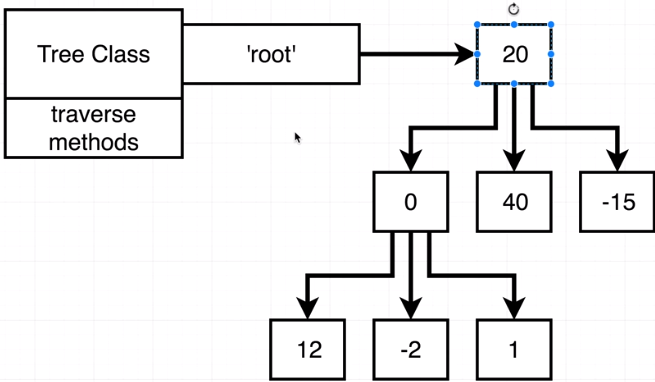
3. Point head to new node 456 and repair reference of 456 by pointing to 123.



**TREES**

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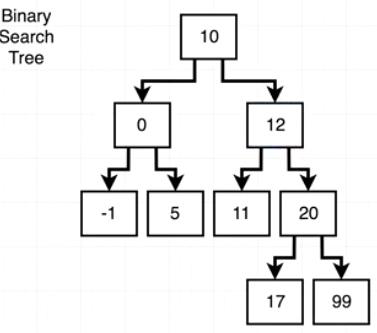
Tree Class

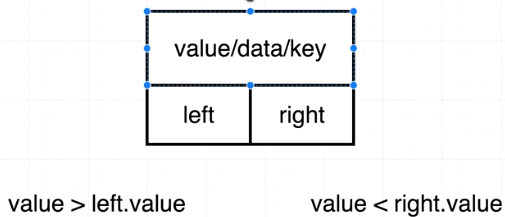


**Binary Tree**

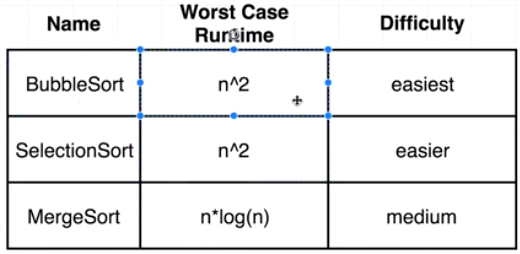
Each parent has two children.

Left node is less than paren. Right node is greather than parent.





**SORTING**

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BubbleSort and SelectionSort is slower for large data sets.