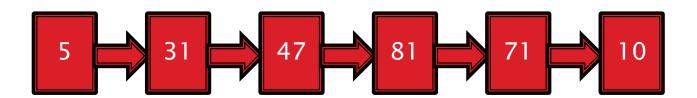
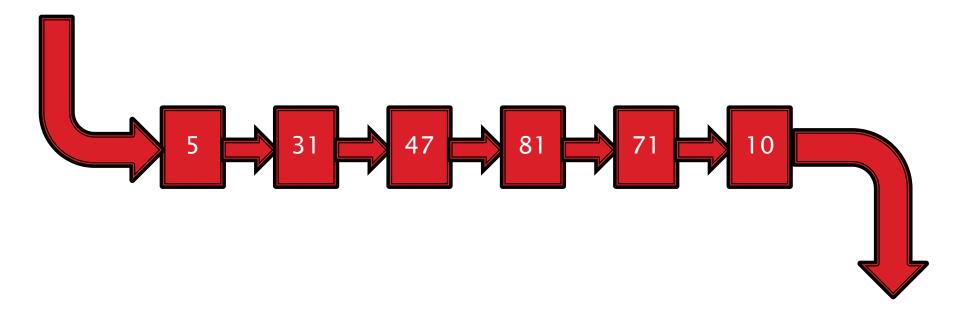
Damian Gordon



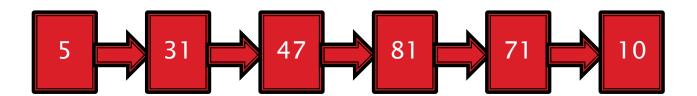


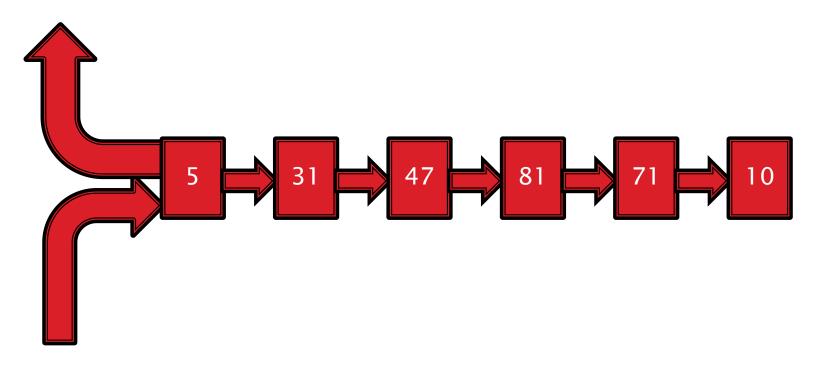


- What is a queue?
- It's a structure that conforms to the principle of First In, First Out (FIFO).
- The first item to join the queue is the first item to be served.



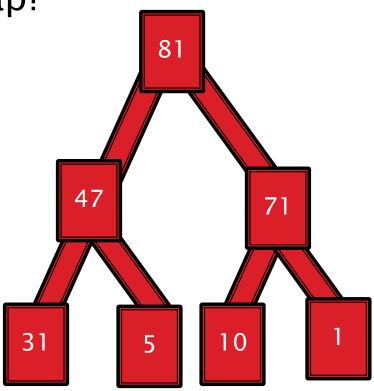


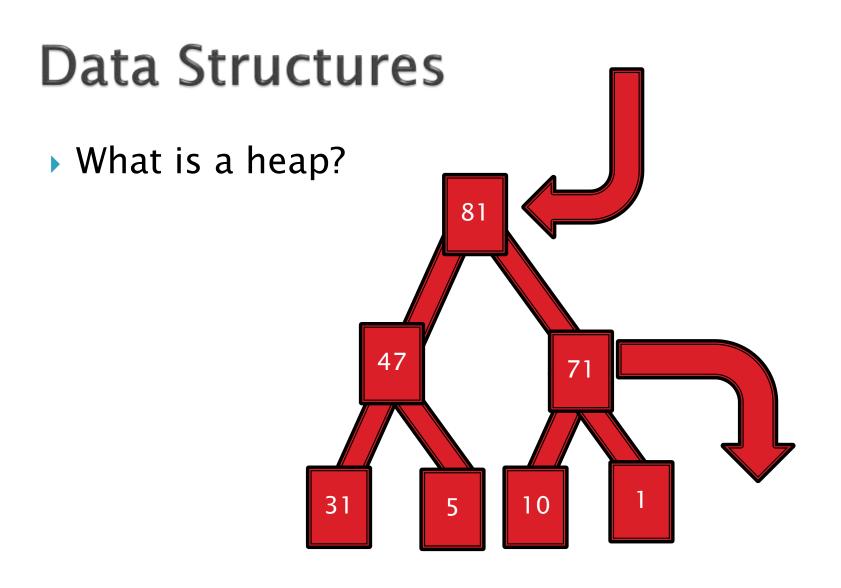




- What is a stack?
- It's a structure that conforms to the principle of Last In, First Out (LIFO).
- The last item to join the stack is the first item to be served.







- What is a heap?
- A heap is a tree-like structure generally each node has two children nodes, where the lower values are stored near the bottom of the tree and higher values towards the top of the tree.

- What is a heap?
- MORE FORMALLY:
- The heap property:
 - If A is a parent node of B then the key of node A is ordered with respect to the key of node B with the same ordering applying across the heap







