

Data Structure 2019

Lab 09

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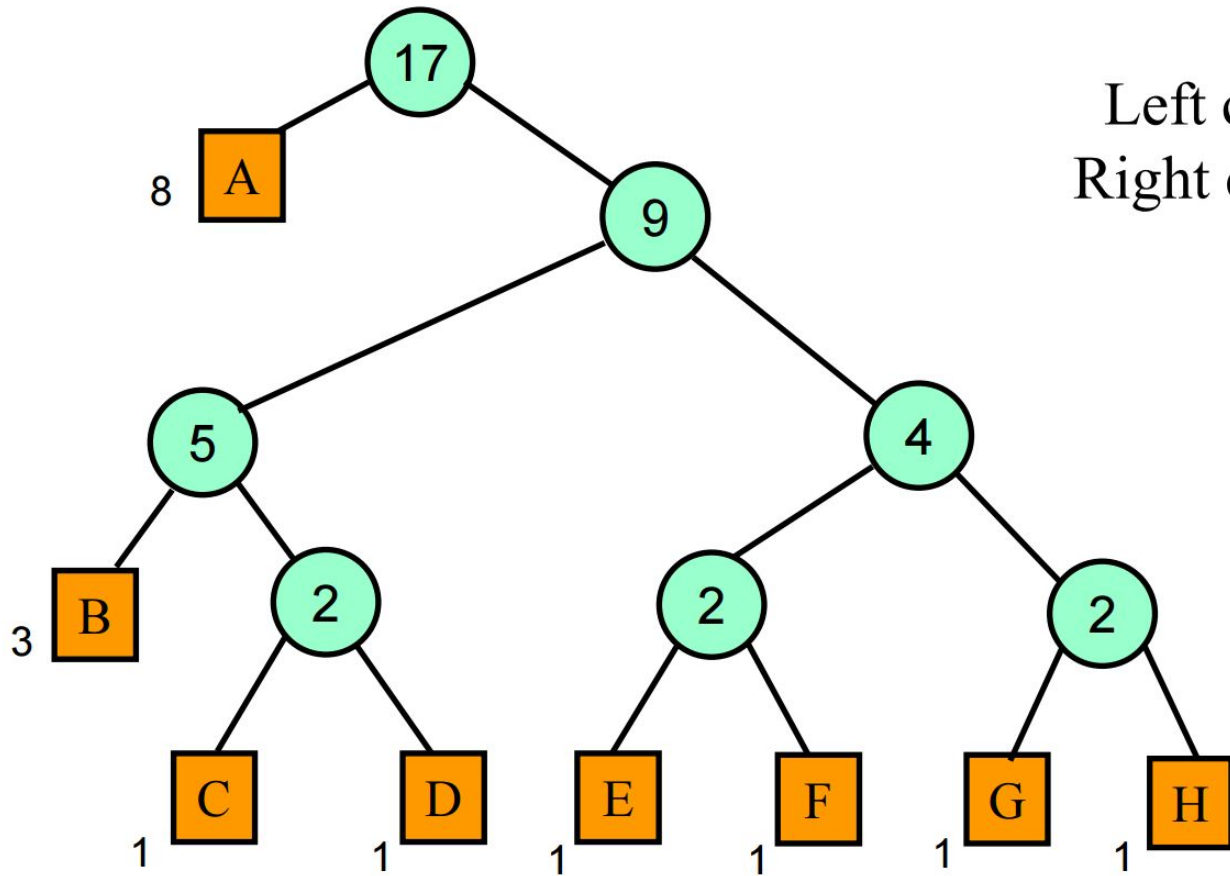
May 10, 2019.

Today's Tasks

- Implement your own min heap
- Compute the character frequencies
- Insert the frequencies into a min heap(You can not use Java's PriorityQueue)
- Repeat
 - Delete the two minimum elements, f_1 and f_2 from the heap
 - Insert f_1+f_2 into the heap
- Complexity: $O(n \log n)$

Expected Output

- Use eclipse or other IDE
- Create your MYhuffman.java file
- Submit your .java file in the ETL
- Print out your name in the first line



Left child – 0
Right child – 1

Expected Output

SYMBOL	FREQ	HUFFMANCODE
1	36	0
2	18	110
3	12	100
4	9	1110
5	7	1011
6	6	1010
7	5	11111
8	4	11110

Your output may not match exactly same