Assignment # 6 (15 marks)

Constructing Huffman tree

You are given the files:

a. Heap.java   // code for Heap class
b. HuffmanNode.java // code for building a Huffman tree
c. testHuffman.java // test cases for your JUnit (3 marks for each test)

Write the following methods in class HuffmanNode:

(**You must not change existing methods or change any variable modifier (ie. Do not change private to public), otherwise you will get 0 mark**.)

- **`public static HuffmanNode buildHuffmanTree(Heap h) throws Exception`**

This method creates a Huffman tree from a given heap (using the method defined in the lecture). It returns the root node of the constructed Huffman tree.

How to submit:
Submit only HuffmanNode.java on MyCourseville.