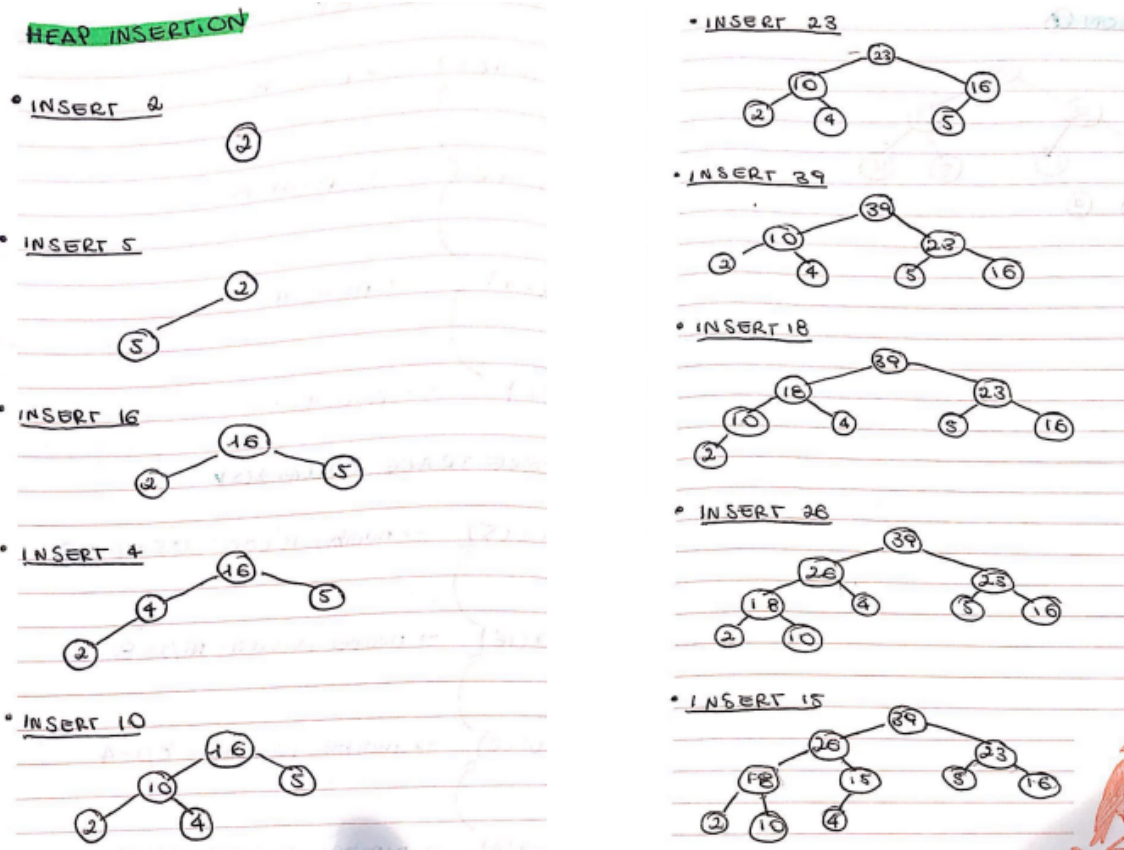


PQHeaps_WrittenQuestions

Question 1)

Illustrate the execution of the `heap.insert()` method on the following input:

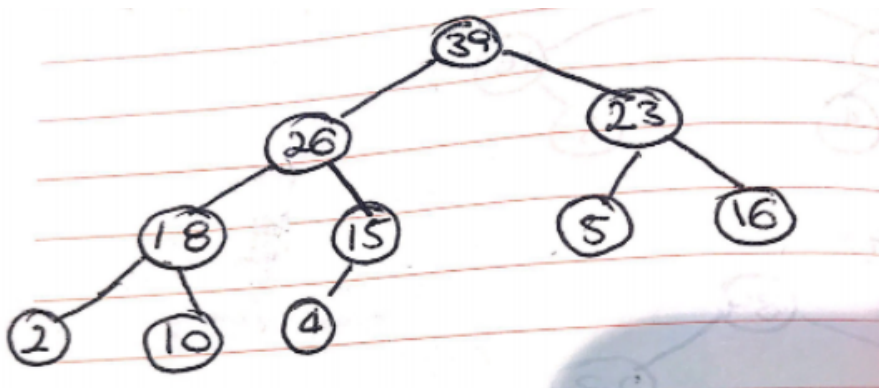
[2, 5, 16, 4, 10, 23, 39, 18, 26, 15]



Question 2)

List the nodes in pre-order traversal of the heap constructed from this array:

[2, 5, 16, 4, 10, 23, 39, 18, 26, 15]



The order of the nodes using a pre-order traversal is:

[39, 26, 18, 2, 10, 15, 4, 23, 5, 16]

Question 3)

Using the heap constructed from the array in 2), list the nodes in post-order traversal.

The order of the nodes using a post-order traversal is:
[2, 10, 18, 4, 15, 26, 5, 16, 23, 39]