**MODULE 14**

**ACTIVITY 4**

Suppose that your application will have a huge number of insert operations, but only a few remove the maximum operations. Which priority-queue implementation do you think would be most effective: heap, unordered array, ordered array?

Solution:

Unordered array takes O(1) time to finish insert operation. Where as heap and ordered array takes O(logN) and O(N) times respectively. Also for deletion operation, unordered, heap, ordered array, takes O(logN), O(logN), O(1). As there are more number of insertion operations, unordered array would be efficient.