

Analysis and Design of Algorithms

Even Semester III 2021-22

**Lab - 4** Due Date: **28 October 2021**

**Topics: Heap Sort**

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## **INTRODUCTION**

In the lab, we would be exploring heap sort to solve the problems.

## **EXERCISE**

1. Create an array by reading the inputs from file 'numbers.txt' and find  $k^{th}$  smallest element in an array