Sorting — INTRODUCTION

Sorting :

Permutations $\longrightarrow$ arragements.

Arranging data is a particular
permutation.

The permutation depends on requirement.

Worst Sorting Approach :

Given n integer values, arrange them in
increasing order.

$$[15, -1, 3, 8, 2, 6]$$

BRUTE FORCE : WORST POSSIBLE SOLN.

Generate all possible permutations &
(n!) filter out the req. one.

Bubble sort
Selection sort
Insertion sort
Counting sort
Merge Sort
Quick sort.