Stable Sorts: Bubble Sort, Merge Sort, Insertion Sort, etc.

Unstable Sorts: Quick Sort, Heap Sort, etc.

INTERNAL AND EXTERNAL SORTING

INTERNAL SORTING

‣ Applied when the size of the data set is small enough to be implemented in the main memory.

‣ External memory not required.

‣ Examples: Bubble Sort, Insertion Sort, Quick Sort, Heap Sort.

EXTERNAL SORTING

‣ Designed to handle massive amounts of data.

‣ When the RAM space is insufficient, external hard drive memory is accessed.

‣ Examples: Merge Sort.