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Software Development: Data Structures

(H16Y 35)

Data Search & Sort - Introduction

Refer to the online resource links provided to carry out independent/group study on the data search and sort types listed below. Document your findings describing each search and sort types provided and upon completion, peer with another member of the class to discuss your findings.

This exercise is aimed to introduce learners to the concept of data search and sort which will be discussed in more details with worked examples and exercises in next class

Your lecturer will go around facilitating the group discussion across the teams.

**Data Search**

* Linear Search (LS)
* Binary Search (BS)
* Differentiate between LS and BS

**Data Sort**

* Bubble Sort
* Selection Sort
* Insertion Sort
* Shell Sort
* Merge Sort

Resource Link:

* <http://datastruct.hnd-computing.info/?page_id=359>
* <http://datastruct.hnd-computing.info/?page_id=382>
* <https://www.sqa.org.uk/e-learning/ArrayDS03CD/page_01.htm>