


Procode



Data Structures & Algorithms

Topics covered


① Basic data structures. \equiv

② Big O notation ☒

③ Searching algorithms. 

④ Sorting algorithms.  

⑤ Graphs 

⑥ Trees 

Data Structure : a named location that can be used to store & organize data.

Example: Family tree ^{-ips} & hierarchy of family relations.

Example: array

→ a collection of elements stored at contiguous memory locations.

char [] array;

107 10 10 10

Algorithms

→ collection of steps to solve a problem

→ Example: Linear search → one by one, examine elements of an array to find a value.

efficient

