C++

CODING BLOCKS

Lecture-1

ARRAYS

- Arrays

Kartik Mathur

Bubble Sort !

Optimsing Bubble Sort !

Lets do some more problems?

- Write a function which takes an array as argument and sorts them using selection Sort.
- There are two sorted arrays. First one is of size m+n containing only m elements. Another one is of size n and contains n elements. Write a function to merge these two arrays into the first array of size m+n.

Insertion Sort !

Merge Sort !

Binary Search!

Binary Search Applications!

- Upper bound and Lower Bound
- Square Root
- Pivot Element

Time to try?

- Write a function which takes a number X and an array and prints all prints all pairs which sum to X.
- Write a function which takes two sorted arrays, and their lengths as arguments and returns combined median of them without using the third array.

Max Sub-Array Sum?

Pigeon-Hole Principle?

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Thank You!

Kartik Mathur
kartik.mathur@codingblocks.com
+91-9560196180