

Day 2 DSA With C++

Data insertion and searching

- Concepts : Function, reference passing into function, array, linear search
- Requirements :
 - Define an array in main function.
 - Define a function that will add the data element to array.
 - Define a Function that will search a given element in the array.
 - Keep the length of the array to be 50.

Data manipulation with vector

- Concepts : Vector and its method
- Requirements:
 - Create a new vector.
 - Insert an element to the vector.
 - Erase the element at the end of vector.
 - Erase an element at specific position
 - Print the entire vector.

Exchange data between two variables

- Concepts : Operators in CPP
- Requirements:
 - Create two integer variable.
 - swap the two value without using third variable.

Classes in CPP

- Concepts : Class, Methods, Inheritance,
 - Requirements :
 - Create a Class quadrilateral and define abstract function called, get_area, get_parameter, set_data.
 - create child class square, rectangle and parallelogram with required variables to store the data.
 - Define the abstract methods.
 - All the variables that is storing data in the class will be private.
 - In comments define what all the type of access modifiers, this is for your reference and learning, not an exact requirement of the program.
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