

Sort:

Member Variables:

Methods:

Sorting function is the virtual function to the child function to sort the vector array

BubbleSort

Member Variables:

vector<int> &bs is the vector address variable for sorting.

Methods:

Sorting(vector<int>&bs) is the function for sorting the data with the bubble sort way ,it inherite from the sort parent class

QuickSort

Member Variables:

vector<int> &qv is the vector address variable for sorting.

first is the integer variable ,it is 0.

last is the integer variable, it is the vector size -1 .

Methods:

Sorting(vector<int>&qv,int first,int last) is the virtual function for sorting the data with the quick sort way,it inherited from the sort parent class

RecursiveBinarySearch

Member Variables:

vector<int> &bins is the vector address variable for binary searching.

start is the integer variable ,it is 0.

end is the integer variable, it is the vector size -1 .

Methods:

binary_search(vector<int>&bins,int start,int end) is the integer rucsvie function for seaching data