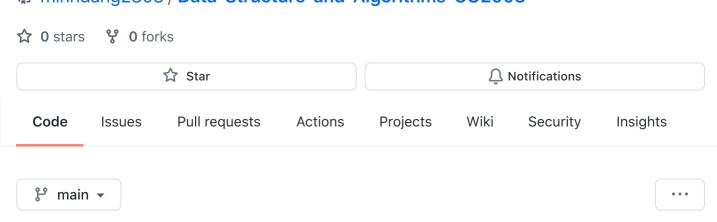
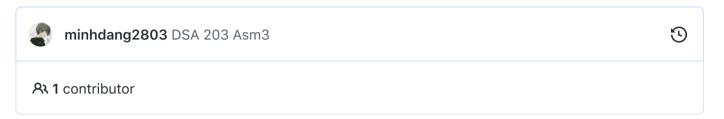
## minhdang2803 / Data-Structure-and-Algorithms-CO2003-



## Data-Structure-and-Algorithms-CO2003- / dsastudents / dsacpp / include / sorting / StraightSelectionSort.h



```
44 lines (35 sloc)
                     948 Bytes
  1
      /*
  2
       * To change this license header, choose License Headers in Project Properties.
  3
       * To change this template file, choose Tools | Templates
       * and open the template in the editor.
  4
  5
       */
  6
  7
      /*
  8
       * File:
                  StraightSelectionSort.h
  9
       * Author: LTSACH
 10
 11
       * Created on 23 August 2020, 17:10
 12
 13
 14
      #ifndef STRAIGHTSELECTIONSORT H
 15
      #define STRAIGHTSELECTIONSORT H
 16
 17
      #include "sorting/ISort.h"
 18
 19
 20
      template<class T>
 21
      class StraightSelectionSort: public ISort<T>{
 22
      public:
 23
          void sort(T array[], int size, int (*comparator)(T&,T&)){
              //YOUR CODE HERE
 24
              int i, j, min;
 26
              for(i = 0; i < size; i++)</pre>
 27
```

```
7/5/2021
```

```
28
                  min = i;
29
                  for (j = i + 1; j < size; j++)
30
                      if((*comparator)(array[j],array[min]) == -1)
31
                          min = j;
32
33
                  }
34
                  T temp = array[min];
                  array[min] = array[i];
35
36
                  array[i] = temp;
             }
37
38
         }
39
     };
40
41
42
     #endif /* STRAIGHTSELECTIONSORT_H */
43
44
```