## Câu hỏi 2

Chính xác

Chấm điểm của 2,00

Implement static method selectionSort in class **Sorting** to sort an array in ascending order. After each selection, we will print out a list to check (using printArray).

```
#include <iostream>
using namespace std;
template <class T>
class Sorting
{
public:
    /* Function to print an array */
    static void printArray(T *start, T *end)
        int size = end - start;
        for (int i = 0; i < size - 1; i++)
            cout << start[i] << ", ";</pre>
        cout << start[size - 1];</pre>
        cout << endl;</pre>
    }
    static void selectionSort(T *start, T *end);
};
```

## For example:

Test	Res	ult				
int arr[] = {9, 2, 8, 1, 0, -2};	-2,	2,	8,	1,	0,	9
<pre>Sorting<int>::selectionSort(&amp;arr[0], &amp;arr[6]);</int></pre>	-2,	0,	8,	1,	2,	9
	-2,					
	-2,	0,	1,	2,	8,	9
	-2,	0,	1,	2,	8,	9

Answer: (penalty regime: 0 %)

## Reset answer

```
template <class T>
 2
   void Sorting<T>::selectionSort(T *start, T *end)
 3 ▼ {
        int length = end - start;
 4
 5 🔻
        for(int i = 0; i < length-1; i++){</pre>
             int min = start[i];
 6
            int min_index = i;
 7
             for(int j = i+1; j < length; j++){
 8 🔻
 9 🔻
                 if (start[j] < min) {</pre>
10
                    min = start[j];
                     min_index = j;
11
12
13
14
             swap(start[i], start[min_index]);
15
             Sorting<T>::printArray(start, end);
16
17
```

Precheck

Kiểm tra

	Test	Expected Got	
<b>✓</b>	<pre>int arr[] = {9, 2, 8, 1, 0, -2}; Sorting<int>::selectionSort(&amp;arr[0], &amp;arr[6]);</int></pre>	-2, 2, 8, 1, 0, 9 -2, 0, 8, 1, 2, 9 -2, 0, 1, 8, 2, 9 -2, 0, 1, 2, 8, 9	<b>*</b>

Passed all tests! ✓

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