Lourdes Badillo, A01024232

Plan de Pruebas

Al realizar las pruebas imprimí el vector que se genera aleatoriamente y el ordenado, para poder comprobar si funcionaba correctamente.

El vector que se generó aleatoriamente es: 8 2 10 1 1 1 2 8 6 5

Y por lo tanto, ordenado debe ser: 1 1 1 2 2 5 6 8 8 10

Prueba	Entrada	Salida Esperada	Salida	Funciona
Se crea un vector con el número de elementos indicado	size = 10	Un vector con 10 elementos	Un vector con 10 elementos	Sí
Se repite el menú la cantidad de veces que indique el usuario	searchRounds = 4	Se repite 4 veces el programa	Se repite 4 veces el programa	Sí
Se busca el elemento indicado por el usuario	e = 5	Usando el algoritmo indicado se busca el elemento 5	Usando el algoritmo indicado se busca el elemento 5	Sí
Utilizar Bubble Sort como algoritmo de ordenamiento	sortingAlgorithm = 1	Using BubbleSort According to the sequential search, the element 5 is at index: 9 According to the binary search, the element 5 is at index: 5	Using BubbleSort According to the sequential search, the element 5 is at index: 9 According to the binary search, the element 5 is at index: 5	Sí
Utilizar Insertion Sort como algoritmo de ordenamiento	sortingAlgorithm = 2	Using Insertion Sort According to the sequential search, the element 5 is at index: 9 According to the binary search, the element 5 is at index: 5	Using Insertion Sort According to the sequential search, the element 5 is at index: 9 According to the binary search, the element 5 is at index: 5	Sí
Utilizar Quick Sort como algoritmo de ordenamiento	sortingAlgorithm = 4	Using Quick Sort According to the sequential search, the element 5 is at index: 9 According to the binary search, the element 5 is at index: 5	Using Quick Sort According to the sequential search, the element 5 is at index: 9 According to the binary search, the element 5 is at index: 5	Sí

Buscar un elemento que no esté en el vector	sortingAlgorithm = 8 e = -2	Using Quick Sort According to the sequential search, the element -2 is at index: -1 According to the binary search, the element -2 is at index: -1	Using Quick Sort According to the sequential search, the element -2 is at index: -1 According to the binary search, the element -2 is at index: -1	Sí