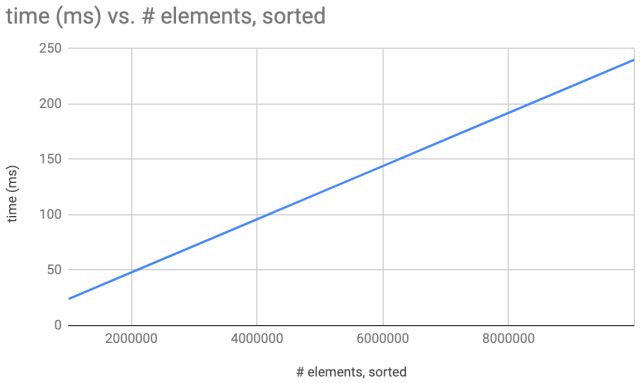
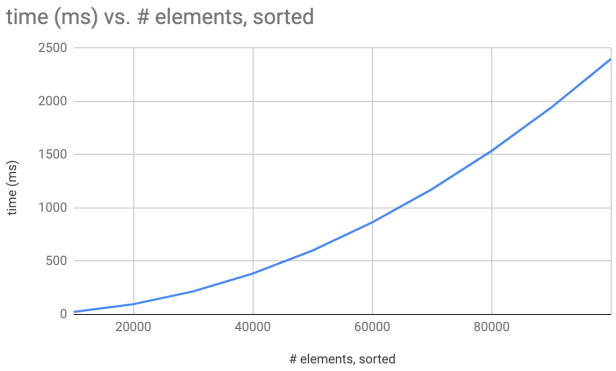
CSE12F20-Oct19-1

```
class Sort1 {
    public static boolean isSorted1(int[] arr) {
        for(int i = 0; i < arr.length                    -   1; i += 1) {
            if(arr[i] > arr[i + 1]) { return false; }
        }
        return true;
    }
}
```




```
class Sort2 {
    public static boolean isSorted2(int[] arr) {
        for(int i = 0; i < arr.length; i += 1) {
            for(int j = i + 1; j < arr.length; j += 1) {
                if(arr[i] > arr[j]) { return false; }
            }
        }
        return true;
    }
}
```




```
boolean isSorted1(int[] arr) {


    for(int i = 0;

            i < arr.length          -   1;

            i += 1) {

        if(arr[i] > arr[i + 1]) {

            return false;
        }
    }

    return true;
}
```

```
// # of times evaluated
// in sorted order          unordered at index k, k+1

//

//

//

//

//


//
```

```
boolean isSorted2(int[] arr) {


    for(int i = 0;

            i < arr.length;

            i += 1) {

        for(int j = i + 1;

                j < arr.length;

                j += 1) {

            if(arr[i] > arr[j]) {

                return false;
            }
        }
    }
    return true;
}
```

```
// # of times evaluated
// in sorted order          unordered at index k, k+1

//

//

//

//

//

//

//


//
```

boolean find(String[] theList, String toFind) {
 	
for (int i = 0;
 	
i < theList.length;
 	
i += 1) {
 	
if (theList[i].equals(toFind)) {
 	
return true;
}
}
return false;
}
	// # of times evaluated
	// toFind NOT FOUND toFind FIRST toFind at index k
	
	//
	
	//
	
	//
	
	//
	
	//
	
	//

boolean find(String[] theList, String toFind) {
 	
boolean found = false;
 	
for (int i = 0;
 	
i < theList.length;
 	
i += 1) {
 	
if (theList[i].equals(toFind)) {
 	
found = true;
}
}
return found;
}
	// # of times evaluated
	// toFind NOT FOUND toFind FIRST toFind at index k
	
	//
	
	//
	
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