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Test Name:

INFO 6205 Spring 2019 Section_5 Quiz_06

Taken On:

19 Feb 2019 16:30:25 EST

Time Taken:

29 min 37 sec/ 30 min

Work Experience:

< 1 years
Robin

Invited by: Invited on:

19 Feb 2019 16:28:04 EST

Tags Score:

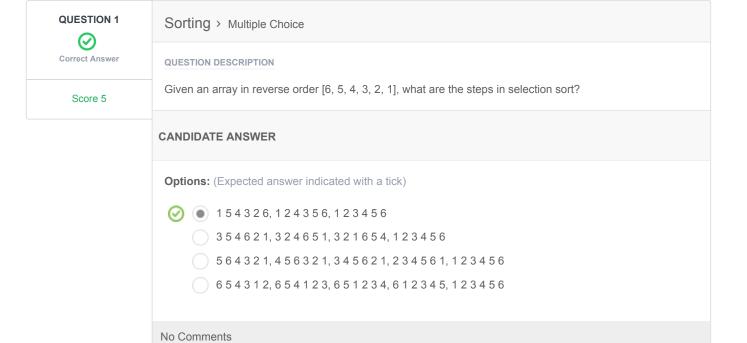
100% 50/50

scored in INFO 6205 Spring 2019 Section_5 Quiz_06 in 29 min 37 sec on 19 Feb 2019 16:30:25 EST

Recruiter/Team Comments:

No Comments.

	Question Description	Time Taken	Score	Status
Q1	Sorting > Multiple Choice	46 sec	5/ 5	②
Q2	Polymorphism > Multiple Choice	8 min 46 sec	5/ 5	⊘
Q3	Sorting > Multiple Choice	1 min 4 sec	5/ 5	②
Q4	Sorting > Multiple Choice	36 sec	5/ 5	Ø
Q5	Implementation > Coding	16 min 40 sec	30/ 30	②



QUESTION 2



Score 5

Polymorphism > Multiple Choice

QUESTION DESCRIPTION

What are the results of the following code snippet?

```
class A {
 int value = 1;
 int getValue(){
     return value;
 String outPrint(){
     return "Class A";
class B extends A{
  int value = 2;
  int getValue(){
      return value;
  String outPrint(){
     return "Class B";
class Test{
 public static void main(String[] args){
   A o = new B();
   System.out.println(o.getValue());
   System.out.println(o.outPrint());
```

CANDIDATE ANSWER

Options: (Expected answer indicated with a tick)

Class A

 \odot

Class B

No Comments

Correct Answer	QUESTION DESCRIPTION
Score 5	As a developer of your company, you are asked to implement sorting method for processing business data. If the input data are already sorted in ***most cases***, which one would you choose?
	CANDIDATE ANSWER
	Options: (Expected answer indicated with a tick) Insertion Sort
	Selection Sort Merge Sort
	No Comments
QUESTION 4	Sorting > Multiple Choice
Correct Answer	QUESTION DESCRIPTION
Score 5	As a developer of your company, you are asked to implement a sorting method for processing business data. If the input data are ***random***, which one would you choose?
	,
	CANDIDATE ANSWER
	Options: (Expected answer indicated with a tick)
	Insertion Sort
	Selection Sort
	No Comments
QUESTION 5	Implementation > Coding
▼ /	

Correct Answer

QUESTION 3

Sorting > Multiple Choice

QUESTION DESCRIPTION

Score 30

(An anagram is a word or phrase formed by rearranging the letters of a different word or phrase, using all the original letters exactly once.)

Given two strings s and t, write a function to determine if t is an anagram of s.

For example,

s = "anagram", t = "nagaram", return true.

s = "rat", t = "car", return false.

Note:

You may assume the string contains only lowercase alphabets.

HINT:

- 1. There is $\mathbf{O}(n)$ solution for this question but your algorithm doesn't have to be $\mathbf{O}(n)$ as long as you can pass the test cases.
- 2. You may find to CharArray() and charAt() methods in String Class useful.
- 3. You may sort the characters in the given Strings to solve this problem.

CANDIDATE ANSWER

Language used: Java 8

```
public static boolean isAnagram(String s, String t) {
          // put your implementation here
4
          char[] sCh = s.toCharArray();
          char[] tCh = t.toCharArray();
          if(sCh.length!=tCh.length){
               return false;
          sort(sCh);
          sort(tCh);
          for(int i = 0; i < sCh.length; i++) {
              if(sCh[i]!=tCh[i]){
                   return false;
           }
           return true;
      }
       public static void sort(char[] c){
         int N = c.length;
          for (int i = 0; i < N; i++) {
              int min = i;
               for(int j = i+1; j < N; j++) {
                   if(c[j]<c[min]){
                       min = j;
               }
34
              char temp = c[i];
               c[i] = c[min];
               c[min] = temp;
           }
```

TESTCASE	DIFFICULTY	STATUS	SCORE	TIME TAKEN	MEMORY USED
TestCase 0	Easy	Success	5	0.15 sec	25.6 MB
TestCase 1	Easy	Success	5	0.16 sec	25.8 MB
TestCase 2	Easy	Success	5	0.15 sec	26 MB
TestCase 3	Easy	Success	5	0.15 sec	25.6 MB

TestCa		,		5		25.8 MB
TestCa	se 5 Ea	asy 🤡	Success	5	0.15 sec	25.8 MB
No Comi	nents					

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