

30 minutes INFO6205_Summer18_Quiz2

Questic Vhat is t	on - 1 he worst case complexity of the code given below?	SCORE: 6 points
or(int i =	0; i ;i++){</th <th></th>	
	= 0; j <m ;j++){<="" th=""><th></th></m>	
//do foo }		
	x = 0; k< n;k++){	
//do }	oar	
	0/42)	
0	$O(k^2)$	
•	O(l*(m+n))	
	O(m)	
	O(I*log(m+n))	
	none of the above	
elect the	e option(s) which best describes array data structure :	
	is of variable size and is accessed sequentially from the head	
•	is of fixed size and can be accessed randomly or by index	
	is grow-able and is accessed by key	
	none of the above	
uestio	on - 3 hashCode() and compareTo()	SCORE: 6 points
lease ch	noose the correct statements:	
•	If $x.equals(y)$ is true, then $x.hashCode() == y.hashCode()$ must be true	
•	If x.hashCode() == y.hashCode() must be true $ If x.hashCode() == y.hashCode() is true, then x.equals(y) must be true $	
•		

SCORE: 6 points Question - 4 What will be the output of the code below? String s="Hi"; String s1 = "Hi"; String s2 = new String("Hi"); System.out.println(s==s1); System.out.println(s==s2); System.out.println(s.equals(s1)); System.out.println(s.equals(s2)); true true true true true false true false true false true true false false true true none of the above Question - 5 SCORE: 6 points Arrange the steps of reduction for solving problem A using B in order: a) Transform Domain of problem B into domain of problem A b) solve problem B c) Transform Domain of problem A into domain of problem B b,c,a a,b,c c,b,a

none of the above