5/30/2021 Quiz 3

Quiz 3	
Name * sai prasad Ranasingh	
Email * saiprasadransingh@gmail.com	
Regno * 1941012802	
Section * M	
Quiz Questions	
The quicksort algorithm for sorting arrays proceeds recursively *	2 points
such that it reorders the element greater than pivot.such that reoders element based on (<= Pivot or > Pivot)	

such that reorders element == Pivot

5/30/2021 Quiz 3

result.set((i+j+1), result.get(i+j+1)+num1.get(i)*num2.get(j)); result.set((i+j),result.get(i+j)+result.get(i+j+1)/10); result.set((i+j+1),result.get(i+j+1)%10);		
List <integer> result= new ArrayList <>(Collections . nCopies (numl . size () + num2.size(), 9));for (int i = numl.size() - 1; i >= $^{\circ}$;i) {for (int j = num2.size() - 1; j >= $^{\circ}$;j) {}} Write the three statements to multiply num1 and num2 .</integer>	2 points	
Other:		
A.set(2, 0);		
A.set(2, A.get(2) + 1);		
A.set(3, A.get(3) + 1);		
For example, if the array is $(1, 2, 9)$, we would derive the integer 129,add one to get 130, then extract its digits to form $(1,3,0)$. int n = A.size() - 1;	2 points	
Collect ions . swap (A , smaller++, equal++); Collect ions . swap (A ,larger,equal);		
Collect ions . swap (A , equal++,smaller++); Collect ions . swap (A , equal,larger);		
Ollect ions . swap (A , smaller++, equal++); Collect ions . swap (A , equal,larger);		
int smaller = 0, equal = 0, larger = A.size(); // Keep iterating as long as there is an unclassified element. while (equal < larger) { if (A . get (equal).() < pivot)) {Collect ions . swap (A ,,);} else if (A . get (equal) == pivot) { ++equal ;} else {A . get (equal) > pivot. Collect ions . swap (A ,,);}}	2 points	

5/30/2021 Quiz 3

There are m partial products, each with at most n + 1 digits. We perform 2 points 0(1)operations on each digit in each partial product, so the time complexity is	
O(n*n)	
O(n+m)	
O(n*m)	

This form was created inside of SIKSHA 'O' ANUSANDHAN.

Google Forms