Exam 2 Rework

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CS 3230

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**Question 30 (possible points: 4 pts) Write the code to print 10 random numbers using forEach of java 8.**

ArrayList<Integer> numbers = new ArrayList<>();

Random rand = new Random();

for(int i=0; i<10; i++){

numbers.add(rand.nextInt(100));

}

numbers.forEach(number -> System.out.println(number));

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**Question 31 (possible points: 3 pts) Name and describe the parts of the Java Collections Framework.**

The Collections Framework is made up of 2 main parts, “Collection” and “Map”, both are ways of storing information in a logical way. “Collection” contains “Set”, “List”, “Queue”, and “Deque” and “Map” contains “SortedMap”. Each of these have child collections that have specific uses. For example, List has ArrayList and LinkedList as a few of it’s children, or that inherit from “List”.

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**Question 32 (possible points: 3 pts) List three generic utility methods of the Java Collections Framework.**

size()

contains()

remove()

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**Question 33 (possible points: 3 pts) What are three (3) benefits of the Java Collections Framework?**

You don’t have to write your own collections, they are already written for you.  
  
These collections have been thoroughly tested for accuracy and efficiency, you pretty much could not make better versions manually.

Since you don’t have to program your own collections you can get work done much faster.