Started on Wednesday, 3 June 2020, 3:30 PM
State Finished Completed on Wednesday, 3 June 2020, 4:00 PM Time taken 29 mins 21 secs Grade 9,45 out of 20,00 (47%)
Question 1 Correct Mark 0,60 out of 0,60 Flag question
Um conjunto do tipo ArrayList guarda a ordem de inserção dos seus elementos. An ArrayList maintains the order of insertion of its elements.
Select one: ○ a. True ✓ ○ b. False
Question 2 Incorrect Mark -0,18 out of 0,60
O objeto tab, definido como Set <student> tab = new HashSet<>();, fornece o método String getName() que permite obter o nome do aluno (Student).</student>
The object tab, defined as, Set <student> tab = new HashSet<>();, provides the method String getName() that allows to obtain the student's name. Select one:</student>
○ a. True ★○ b. False Question 3
Mark 0,60 out of 0,60 Flag question A classe java.util.TreeSet guarda os elementos de uma forma ordenada.
The class java.util.TreeSet stores the elements in sorted order. Select one:
○ a. True ✓○ b. False
Question 4 Incorrect Mark -0,18 out of 0,60 Flag question
java.util.List é uma interface que define um conjunto de métodos que são implementados, por exemplo, pela classe java.util.ArrayList. java.util.List is an interface that defines a set of methods that are implemented, for instance, by the class java.util.ArrayList.
Select one: a. True b. False **
Question 5 Incorrect Mark -0,18 out of 0,60 Flag question
Um objeto do tipo Map <k,v> disponibiliza o método iterator(). An object of type Map <k,v> provides the method iterator().</k,v></k,v>
Select one: a. True ** b. False
Question 6 Correct Mark 0,60 out of 0,60 Flag question
A expressão seguinte é válida: Map <string, list<integer="" map<string,="">>> oneMap = new HashMap<>();</string,>
The following expression is valid: Map <string, list<integer="" map<string,="">>> oneMap = new HashMap<>(); Select one: a. True</string,>
○ b. False Question 7
Correct Mark 0,60 out of 0,60 Flag question
Considere que num seu programa está a usar o mapa Map <string, integer=""> m = new HashMap<>(); Após a instrução Collection<string> keys = m.keySet();</string></string,>
a coleção referenciada por keys pode conter elementos repetidos. Consider that you are using the following map in your program
Map <string, integer=""> m = new HashMap<>(); After the instruction Collection<string> keys = m.keySet(); the collection referenced by keys might have repeated elements.</string></string,>
Select one: ○ a. True ○ b. False ✓
Question 8 Incorrect Mark -0,18 out of 0,60 Flag question
Flag question Analise o código seguinte: try (Scanner input = new Scanner(new File("file.txt"))) { while (input.hasNextLine()) {
System.out.println(input.nextLine()); } } catch (FileNotFoundException e) { System.out.println("File does not exist!");
<pre>Falta ainda acrescentar uma instrução para fechar o objeto ficheiro.</pre> Consider the following code: try (Scanner input = new Scanner(new File("file.txt"))) {
<pre>while (input.hasNextLine()) {</pre>
It is still needed to add a file object closing instruction.
Select one: True X False
Question 9 Correct Mark 0,60 out of 0,60 Flag question
A classe java.nio.file.Files é constituída por métodos estáticos que permitem a manipulação de ficheiros e pastas. The class java.nio.file.Files includes several static methods that allow the manipulation of files and folders. Select one:
○ True ✓○ False Question 10
Correct Mark 0,60 out of 0,60 Flag question
Podemos ler ficheiros de texto usando a classe PrintWriter. We can read text files using the class PrintWriter. Select one: True
○ False ✔ Question 11
Mark -0,18 out of 0,60 Flag question O exemplo seguinte usa um método referência : list.replaceAll(String::toUpperCase());
The following example uses a Method Reference: list.replaceAll(String::toUpperCase()); Select one: a. True ** b. False
Question 12 Correct Mark 0,60 out of 0,60
Flag question A interface funcional java.util.function.Predicate aceita um argumento e retorna um boolean. The functional interface java.util.function.Predicate takes one argument and returns a boolean.
Select one: ○ a. True ○ b. False
Question 13 Correct Mark 0,60 out of 0,60 F Flag question
Se uma função aceitar como argumento uma interface funcional, então podemos invocá-la passando uma expressão lambda. If a function accepts a functional interface as an argument, then we can invoke it by passing a lambda expression.
Select one: ○ a. True ○ b. False
Question 14 Incorrect Mark -0,18 out of 0,60 Flag question
A instrução list.sort(Comparing.comparator(p -> p.getName())); permite ordenar list usando os valores devolvidos pela função getName(). The instruction list.sort(Comparing.comparator(p -> p.getName())); allows sorting list using the values of the function getName().
Select one: a. True * b. False
Question 15 Correct Mark 0,60 out of 0,60 F Flag question
map é uma operação intermédia de uma stream que faz uma transformação de elementos usando uma função Comparator. map is a stream intermediate operation which performs a transformation of elements using a Comparator.
Select one: ○ a. True ○ b. False ✓
Question 16 Partially correct Mark 1,88 out of 2,50 Flag question
Leia com atenção o programa e complete o código da forma mais adequada. Read carefully and complete the code in the most appropriate way.
<pre>public class Exemplo { public static void main(String[] args) { List< Integer</pre>
<pre>System.out.println(list); // Resultado: list.sort(Collections.reverseOrder()); System.out.println(list); // Resultado: [5, 8, 1, 3] [5, 8, 1, 3] [8, 5, 3, 1] [8, 5, 3, 1] [8, 5, 3, 1] [8, 5, 3, 1] [8, 5, 3, 1] [9, 1, 2] [1, 2, 3, 4] [1, 3, 4, 5] [1, 4, 5, 5, 5, 5] [1, 5, 5, 5, 5] [1, 6, 7, 7] [1, 7, 8] [1, 7, 8] [1, 8, 1, 3] [</pre>
Question 17 Partially correct
Mark 1,25 out of 2,50 ▼ Flag question Leia com atenção o programa e complete o código da forma mais adequada.
<pre>Property Property Propert</pre>
<pre>Map<character, integer=""> pares = new TreeMap</character,></pre>
<pre>System.out.println(pares.get("e x)); // Result = 3 for (Map.Entry<character, integer=""> e : pares. keySet x()) { if (e.getKey() == 'e') e. setValue \$ \(\frac{1}{2}\)(7); }</character,></pre>
<pre>} System.out.println(pares); // Resultado: {a=3, e=7, i=4, o=2, u=5} }</pre>
Question 18 Partially correct Mark 2,00 out of 4,00 Flag question
It is required to develop a program that prints to the file "merge.txt" the contents of all the files, existing in the "a1" directory. Complete the white spaces in the respective following code. Note: Do not use spaces in your answers! import java.io.*;
<pre>import java.io.*; import java. util public class Merger{ public static void main(String[] args) { try {</pre>
File directorio = new File ("a1"); File[] arquivos = directorio. getFiles() PrintWriter merge = new PrintWriter (new File for (File f : arquivos) {
<pre>if (f. directorio</pre>
<pre>input.close(); } merge.close(); } catch (Exception</pre>
<pre>e.printStackTrace();</pre>
Question 19 Incorrect Mark 0,00 out of 2,00
Flag question A program is being developed for executing and analyzing different tests in a car inspection, using Lambda. Consider the following functional interface, the defined functions and its application in the main code, filling in the blanks or selecting the correct option.
Note: Do not use spaces in your answers! () @FunctionalInterface
<pre>public interface InspectionTest { boolean inspectAction(T testedValue, T correctValue);} () static void genericTest(InspectionTest<double> test, String testName, double></double></pre>
<pre>if (test</pre>
<pre>public static void main (String[] args) { //Test CO2 needs to pass test</pre>
<pre>InspectionTest newTest =</pre>
} ()
Finish review