**CYIENT INTERVIEW QUESTIONS:**

1) Given input String is ADBKJOBALDDK

Output like

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Print all characters are ascending order  
and number of times character is repeated

Solution:

package com.cyient.interview.code;

import java.util.Arrays;

import java.util.Map;

import java.util.Set;

import java.util.TreeSet;

import java.util.concurrent.ConcurrentHashMap;

import java.util.function.Function;

import java.util.stream.Collectors;

public class PrintCharCount {

public static String find(String input) {

Map<String, Integer> wordMap = new ConcurrentHashMap<>();

StringBuilder sb1 = new StringBuilder();

StringBuilder sb2 = new StringBuilder();

for (String s : input.split("")) {

if (wordMap.containsKey(s)) {

wordMap.put(s, wordMap.get(s) + 1);

} else {

wordMap.put(s, 1);

}

}

Set<String> sortedKey = new TreeSet<>(wordMap.keySet());

for (String key : sortedKey) {

sb1.append(key);

sb2.append(wordMap.get(key));

}

return sb1 + "-" + sb2;

}

// using java 8

public static String find1(String input) {

Map<String, Long> wordMap = Arrays.stream(input.split("")).sorted()

.collect(Collectors.groupingBy(Function.identity(), Collectors.counting()));

return String.join("", wordMap.keySet()) + "-"

+ String.join("", wordMap.values().stream().map(Object::toString).collect(Collectors.toList()));

}

public static void main(String[] args) {

System.out.println(find("ADBKJOBALDDK"));

System.out.println(find1("ADBKJOBALDDK"));

}

}

2) In file has 100 lines of code,   
How did you reverse all the lines of code

Solution:

package com.cyient.interview.code;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileReader;

public class ReverseFile {

public static void readFile(String filePath) throws Exception {

String line = "";

try (BufferedReader br = new BufferedReader(new FileReader(new File(filePath)));) {

while ((line = br.readLine()) != null) {

String rev = reverse(line);

System.out.println(rev);

}

}

}

public static String reverse(String input) {

String rev = "";

for (int i = input.length() - 1; i >= 0; i--) {

rev += input.charAt(i);

}

return rev;

}

public static void main(String[] args) throws Exception {

readFile("myFile");

}

}

3) In given file has number of open and close

Curly braces ({}) how did you check validate or not

Means same number of open and close curly braces are same

Write java code for that

{ { {   
// code  
} } }

If it is like   
{{{ { }}} //not validate

Solution:

package com.acc.dev.Core;

public class BracesMatcher {

public static boolean match(String input) {

int leftBraces = count(input, "{");

int rightBraces = count(input, "}");

return leftBraces == rightBraces ? true : false;

}

private static int count(String input, String expression) {

int count = 0;

for (String s : input.split("")) {

if (s.equals(expression)) {

count++;

}

}

return count;

}

public static void main(String[] args) {

System.out.println("is valid braces : " + match("{{}}"));

System.out.println("is valid braces : " + match("{{}}}"));

}

}