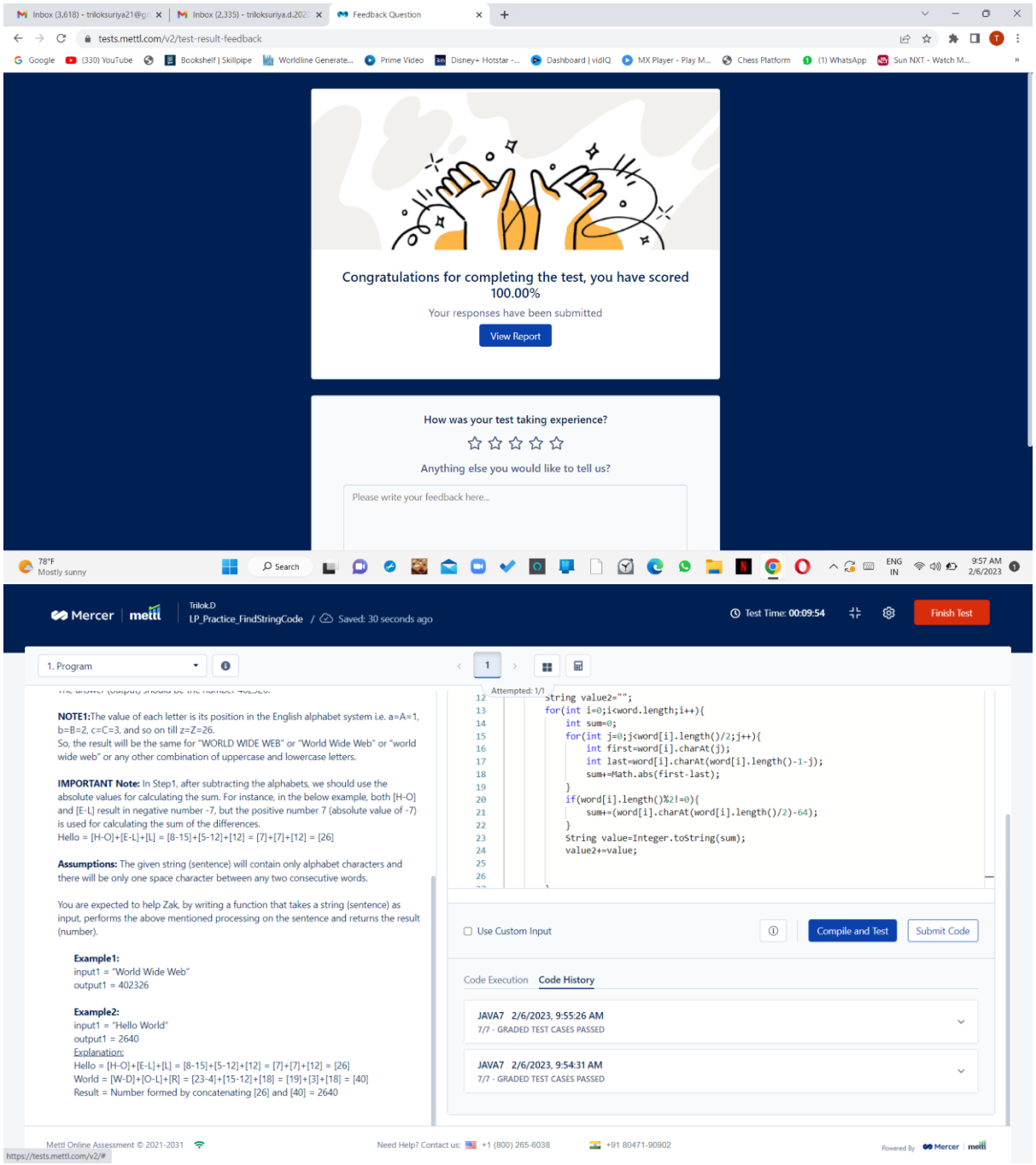
Congratulations for completing the test, you have scored 100.00%
Your responses have been submitted
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How was your test taking experience?
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Mercer | mettl
Trilok.D
LP_Practice_FindStringCode / Saved: 30 seconds ago
Test Time: 00:09:54
Finish Test
1. Program
Attempted: 1/1
NOTE1:The value of each letter is its position in the English alphabet system i.e. a=A=1, b=B=2, c=C=3, and so on till z=Z=26.
So, the result will be the same for "WORLD WIDE WEB" or "World Wide Web" or "world wide web" or any other combination of uppercase and lowercase letters.
IMPORTANT Note: In Step1, after subtracting the alphabets, we should use the absolute values for calculating the sum. For instance, in the below example, both [H-O] and [E-L] result in negative number -7, but the positive number 7 (absolute value of -7) is used for calculating the sum of the differences.
Hello = [H-O]+[E-L]+[L] = [8-15]+[5-12]+[12] = [7]+[7]+[12] = [26]
Assumptions: The given string (sentence) will contain only alphabet characters and there will be only one space character between any two consecutive words.
You are expected to help Zak, by writing a function that takes a string (sentence) as input, performs the above mentioned processing on the sentence and returns the result (number).
Example1:
input1 = "World Wide Web"
output1 = 402326
Example2:
input1 = "Hello World"
output1 = 2640
Explanation:
Hello = [H-O]+[E-L]+[L] = [8-15]+[5-12]+[12] = [7]+[7]+[12] = [26]
World = [W-D]+[O-L]+[R] = [23-4]+[15-12]+[18] = [19]+[3]+[18] = [40]
Result = Number formed by concatenating [26] and [40] = 2640
string value2="";
for(int i=0;i<word.length;i++){
int sum=0;
for(int j=0;j<word[i].length()/2;j++){
int first=word[i].charAt(j);
int last=word[i].charAt(word[i].length()-1-j);
sum+=Math.abs(first-last);
}
if(word[i].length()%2!=0){
sum+=(word[i].charAt(word[i].length()/2)-64);
}
String value=Integer.toString(sum);
value2+=value;
Use Custom Input
Compile and Test
Submit Code
Code Execution
Code History
JAVA7 2/6/2023, 9:55:26 AM
7/7 - GRADED TEST CASES PASSED
JAVA7 2/6/2023, 9:54:31 AM
7/7 - GRADED TEST CASES PASSED
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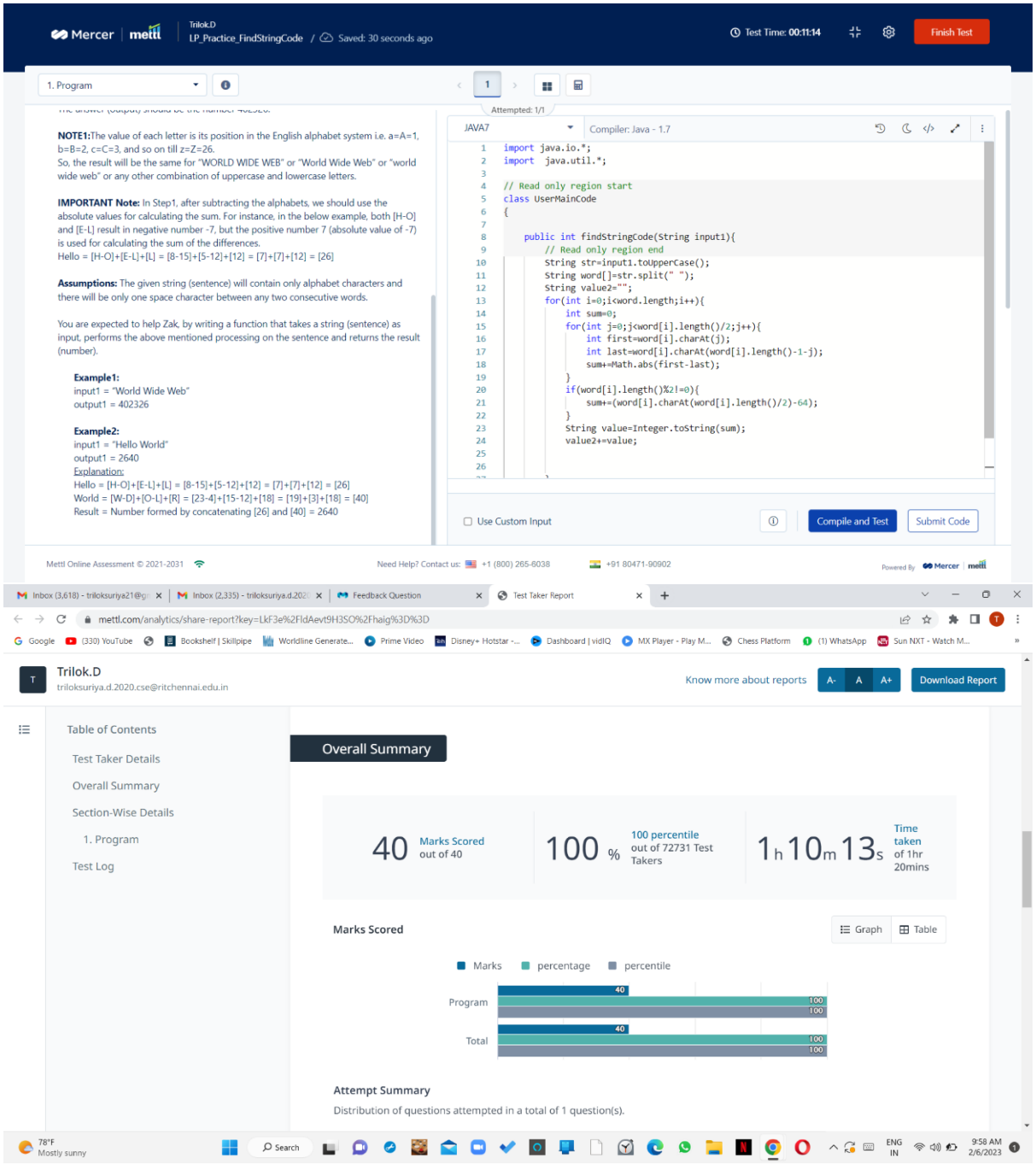
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LP_Practice_FindStringCode / Saved: 30 seconds ago
Test Time: 00:11:14
Finish Test
1. Program
Attempted: 1/1
NOTE1:The value of each letter is its position in the English alphabet system i.e. a=A=1, b=B=2, c=C=3, and so on till z=Z=26.
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JAVA7
Compiler: Java - 1.7
import java.io.*;
import java.util.*;
// Read only region start
class UserMainCode
{
public int findStringCode(String input1){
// Read only region end
String str=input1.toUpperCase();
String word[]=str.split(" ");
String value2="";
for(int i=0;i<word.length;i++){
int sum=0;
for(int j=0;j<word[i].length()/2;j++){
int first=word[i].charAt(j);
int last=word[i].charAt(word[i].length()-1-j);
sum+=Math.abs(first-last);
}
if(word[i].length()%2!=0){
sum+=(word[i].charAt(word[i].length()/2)-64);
}
String value=Integer.toString(sum);
value2+=value;
Use Custom Input
Compile and Test
Submit Code
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Test Taker Report
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Table of Contents
Test Taker Details
Overall Summary
Section-Wise Details
1. Program
Test Log
Overall Summary
40 Marks Scored out of 40
100 % 100 percentile out of 72731 Test Takers
1h 10m 13s Time taken of 1hr 20mins
Marks Scored
Graph
Table
Marks
percentage
percentile
Program
Total
40
100
100
Attempt Summary
Distribution of questions attempted in a total of 1 question(s).