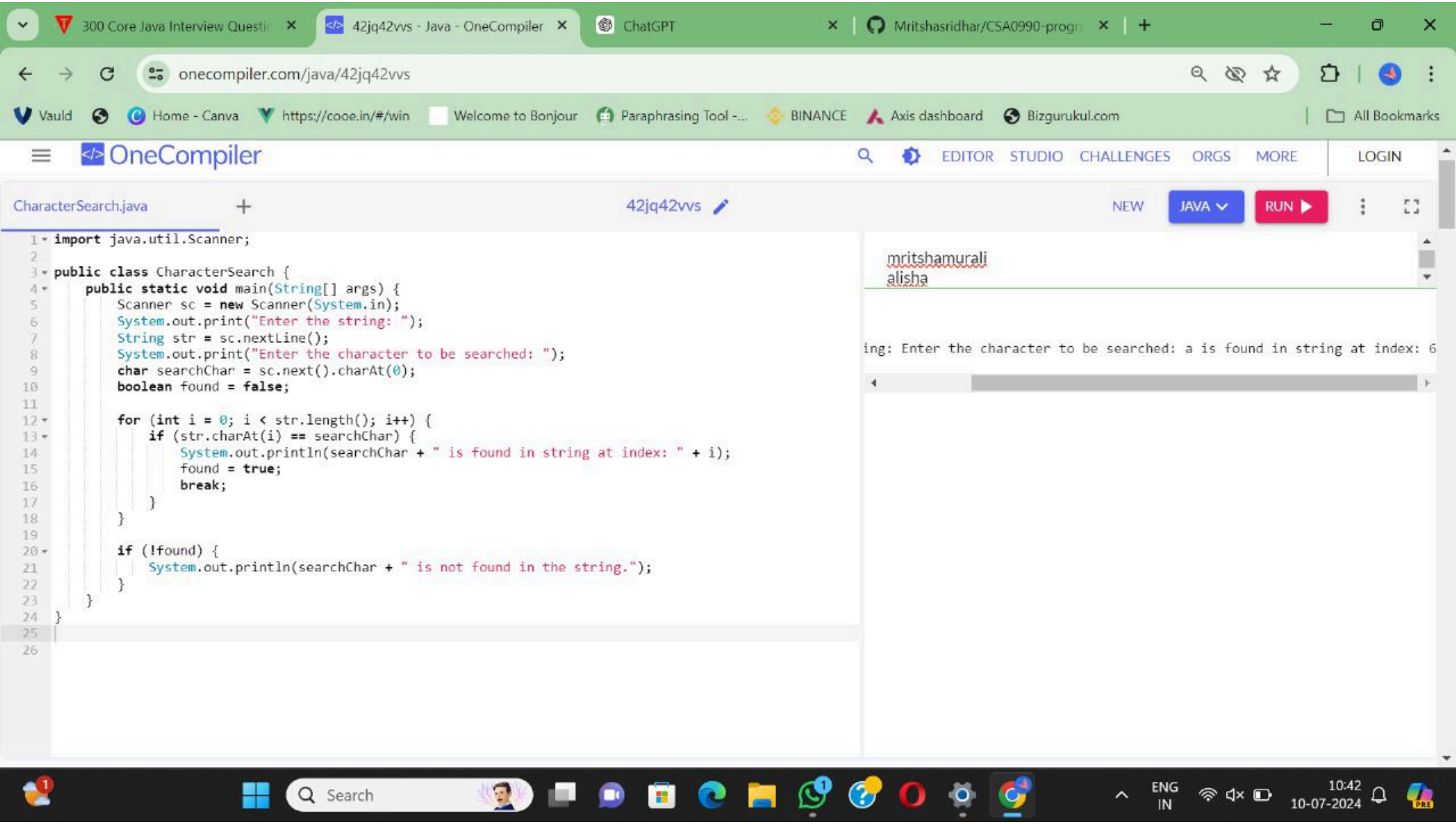
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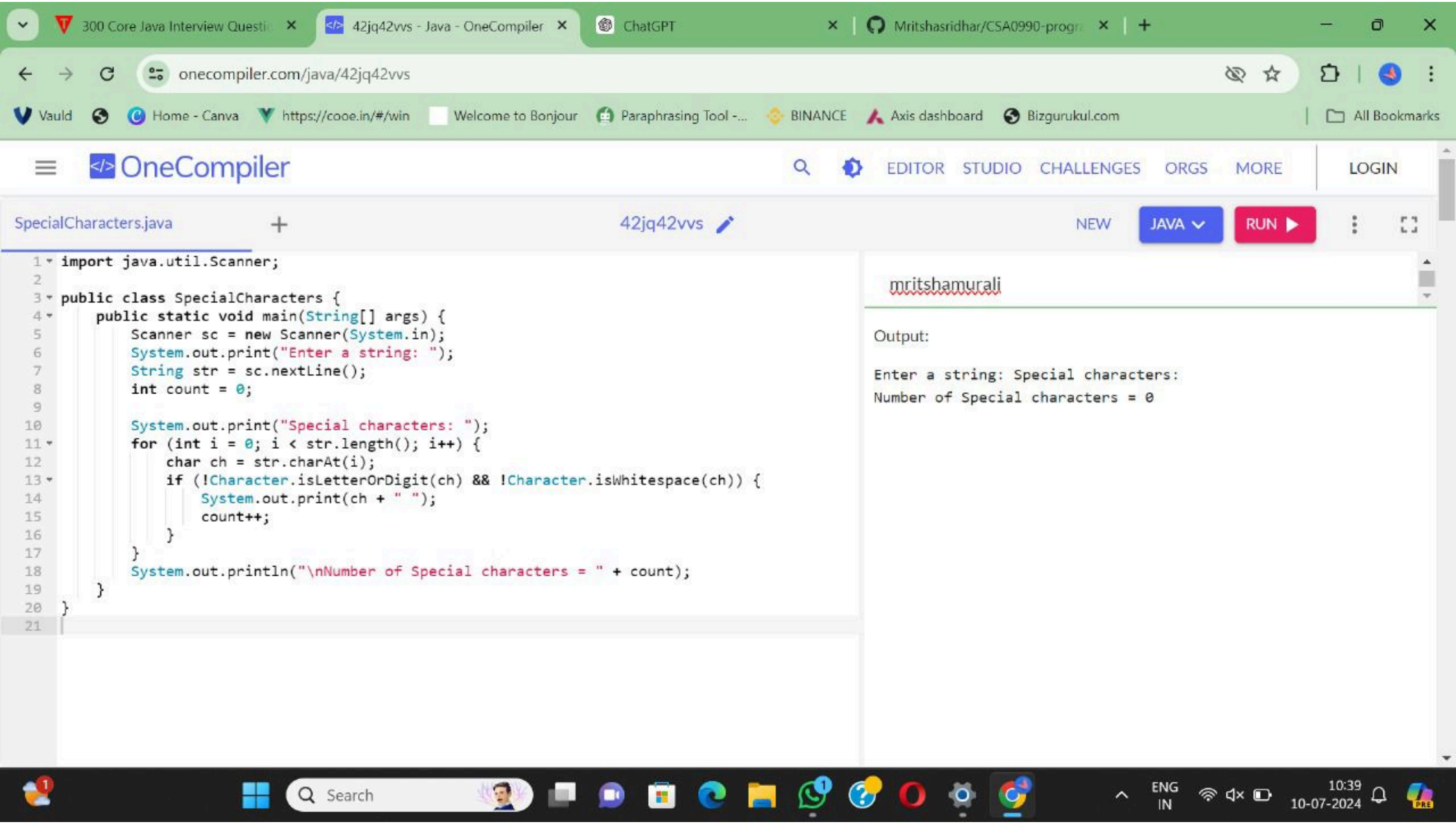
CharacterSearch.java
42jq42vvs
NEW
JAVA
RUN
import java.util.Scanner;
public class CharacterSearch {
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
System.out.print("Enter the string: ");
String str = sc.nextLine();
System.out.print("Enter the character to be searched: ");
char searchChar = sc.next().charAt(0);
boolean found = false;
for (int i = 0; i < str.length(); i++) {
if (str.charAt(i) == searchChar) {
System.out.println(searchChar + " is found in string at index: " + i);
found = true;
break;
}
}
if (!found) {
System.out.println(searchChar + " is not found in the string.");
}
}
}
mritshamurali
alisha
ing: Enter the character to be searched: a is found in string at index: 6
Search
ENG
IN
10:42
10-07-2024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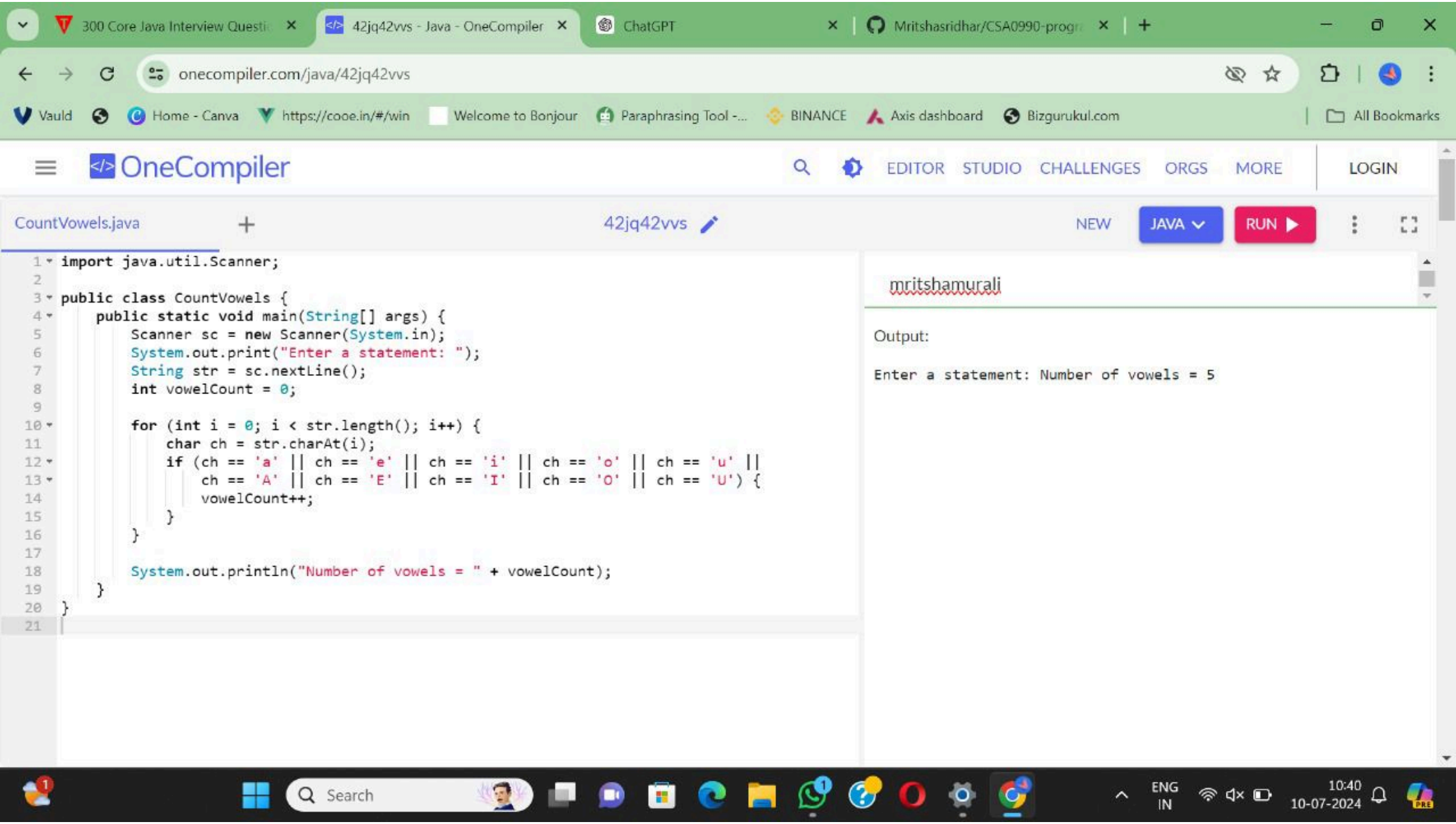
MORE
LOGIN
SpecialCharacters.java
42jq42vvs
NEW
JAVA
RUN
1 import java.util.Scanner;
2
3 public class SpecialCharacters {
4 public static void main(String[] args) {
5 Scanner sc = new Scanner(System.in);
6 System.out.print("Enter a string: ");
7 String str = sc.nextLine();
8 int count = 0;
9
10 System.out.print("Special characters: ");
11 for (int i = 0; i < str.length(); i++) {
12 char ch = str.charAt(i);
13 if (!Character.isLetterOrDigit(ch) && !Character.isWhitespace(ch)) {
14 System.out.print(ch + " ");
15 count++;
16 }
17 }
18 System.out.println("\nNumber of Special characters = " + count);
19 }
20 }
21
mritshamurali
Output:
Enter a string: Special characters:
Number of Special characters = 0
Search
ENG
IN
10:39
10-07-2024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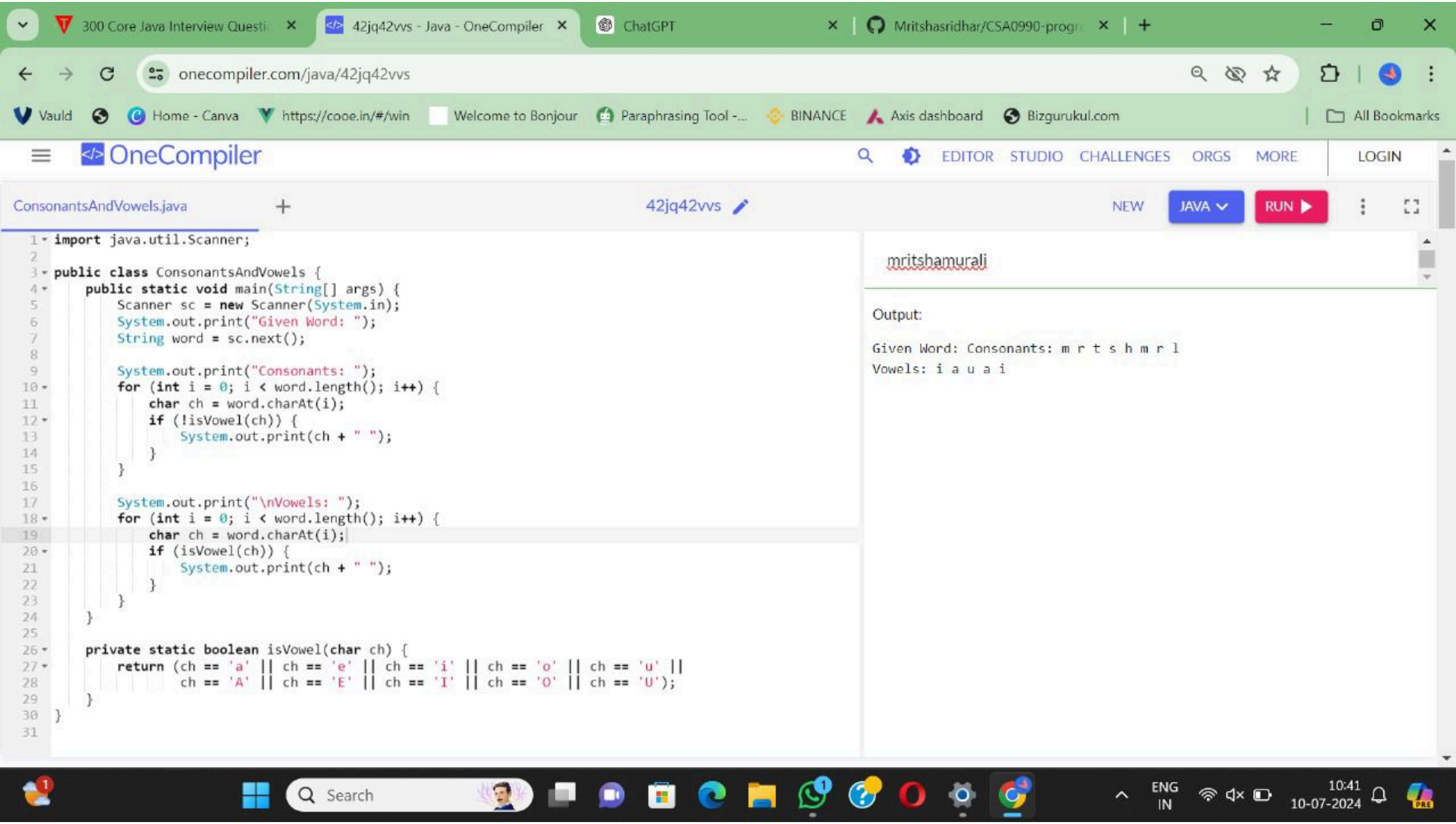
LOGIN
CountVowels.java
42jq42vvs
NEW
JAVA
RUN
1 import java.util.Scanner;
2
3 public class CountVowels {
4 public static void main(String[] args) {
5 Scanner sc = new Scanner(System.in);
6 System.out.print("Enter a statement: ");
7 String str = sc.nextLine();
8 int vowelCount = 0;
9
10 for (int i = 0; i < str.length(); i++) {
11 char ch = str.charAt(i);
12 if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' ||
13 ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' || ch == 'U') {
14 vowelCount++;
15 }
16 }
17
18 System.out.println("Number of vowels = " + vowelCount);
19 }
20 }
21
mritshamurali
Output:
Enter a statement: Number of vowels = 5
Search
ENG
IN
10:40
10-07-2024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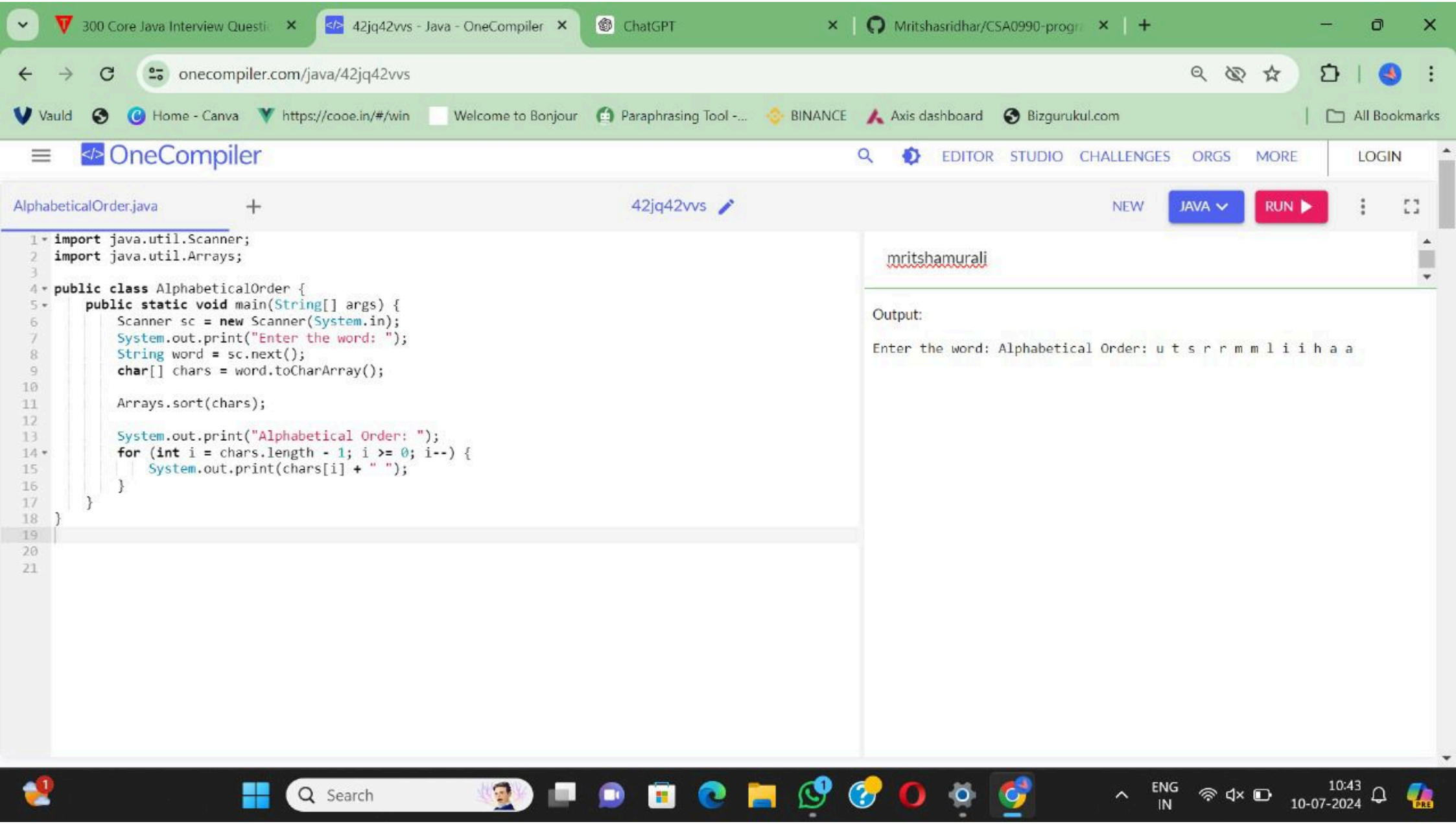
ConsonantsAndVowels.java
42jq42vvs
NEW
JAVA
RUN
import java.util.Scanner;
public class ConsonantsAndVowels {
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
System.out.print("Given Word: ");
String word = sc.next();
System.out.print("Consonants: ");
for (int i = 0; i < word.length(); i++) {
char ch = word.charAt(i);
if (!isVowel(ch)) {
System.out.print(ch + " ");
}
}
System.out.print("\nVowels: ");
for (int i = 0; i < word.length(); i++) {
char ch = word.charAt(i);
if (isVowel(ch)) {
System.out.print(ch + " ");
}
}
}
private static boolean isVowel(char ch) {
return (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' ||
ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' || ch == 'U');
}
}
mritshamurali
Output:
Given Word: Consonants: m r t s h m r l
Vowels: i a u a i
Search
ENG
IN
10:41
10-07-2024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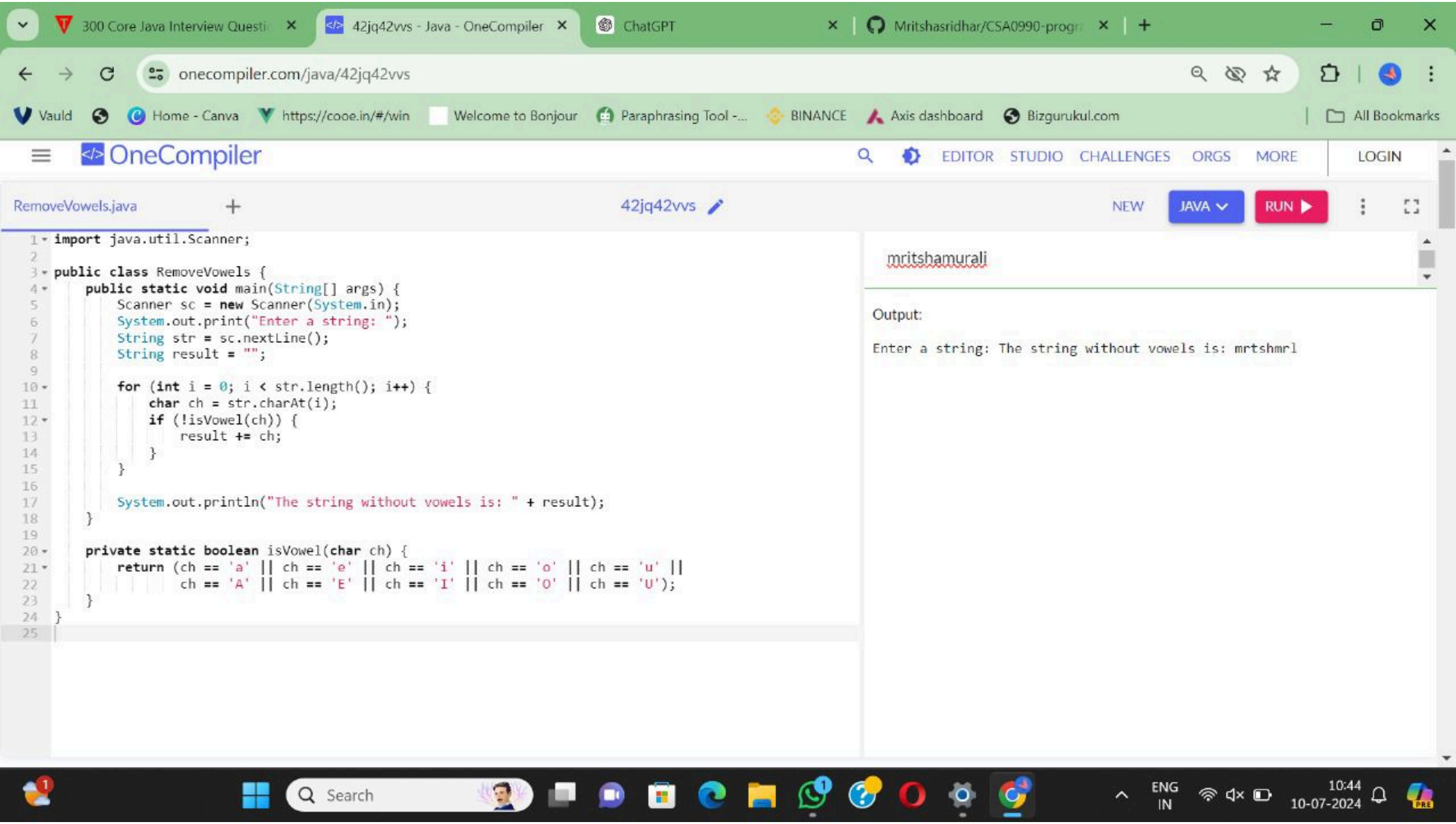
LOGIN
AlphabeticalOrder.java
42jq42vvs
NEW
JAVA
RUN
1 import java.util.Scanner;
2 import java.util.Arrays;
3
4 public class AlphabeticalOrder {
5 public static void main(String[] args) {
6 Scanner sc = new Scanner(System.in);
7 System.out.print("Enter the word: ");
8 String word = sc.next();
9 char[] chars = word.toCharArray();
10
11 Arrays.sort(chars);
12
13 System.out.print("Alphabetical Order: ");
14 for (int i = chars.length - 1; i >= 0; i--) {
15 System.out.print(chars[i] + " ");
16 }
17 }
18 }
19
20
21
mritshamurali
Output:
Enter the word: Alphabetical Order: u t s r r m m l i i h a a
Search
ENG
IN
10:43
10-07-2024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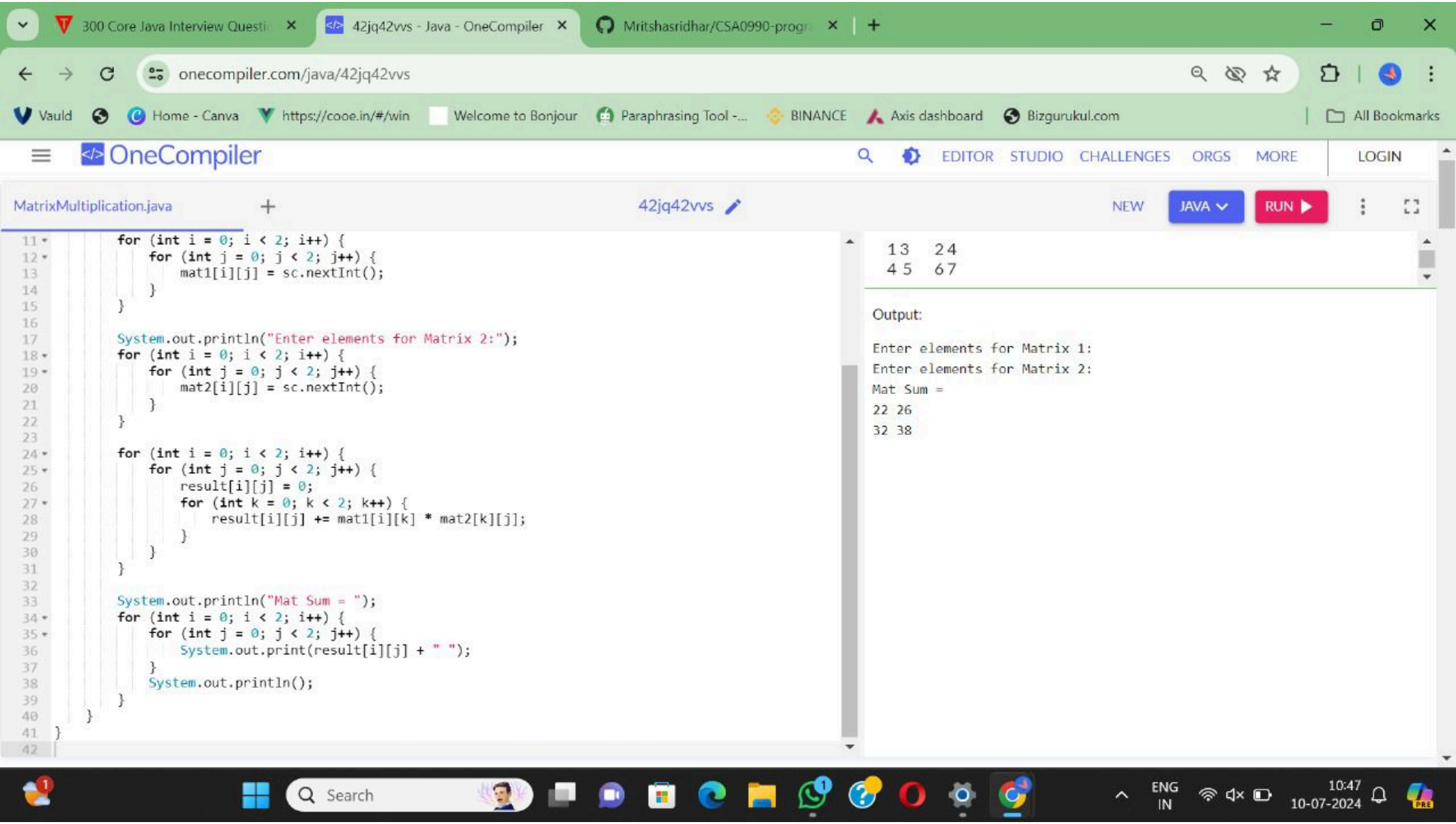
MORE
LOGIN
RemoveVowels.java
42jq42vvs
NEW
JAVA
RUN
1 import java.util.Scanner;
2
3 public class RemoveVowels {
4 public static void main(String[] args) {
5 Scanner sc = new Scanner(System.in);
6 System.out.print("Enter a string: ");
7 String str = sc.nextLine();
8 String result = "";
9
10 for (int i = 0; i < str.length(); i++) {
11 char ch = str.charAt(i);
12 if (!isVowel(ch)) {
13 result += ch;
14 }
15 }
16
17 System.out.println("The string without vowels is: " + result);
18 }
19
20 private static boolean isVowel(char ch) {
21 return (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' ||
22 ch == 'A' || ch == 'E' || ch == 'I' || ch == 'O' || ch == 'U');
23 }
24 }
25
mritshamurali
Output:
Enter a string: The string without vowels is: mrtshmrl
Search
ENG
IN
10:44
10-07-2024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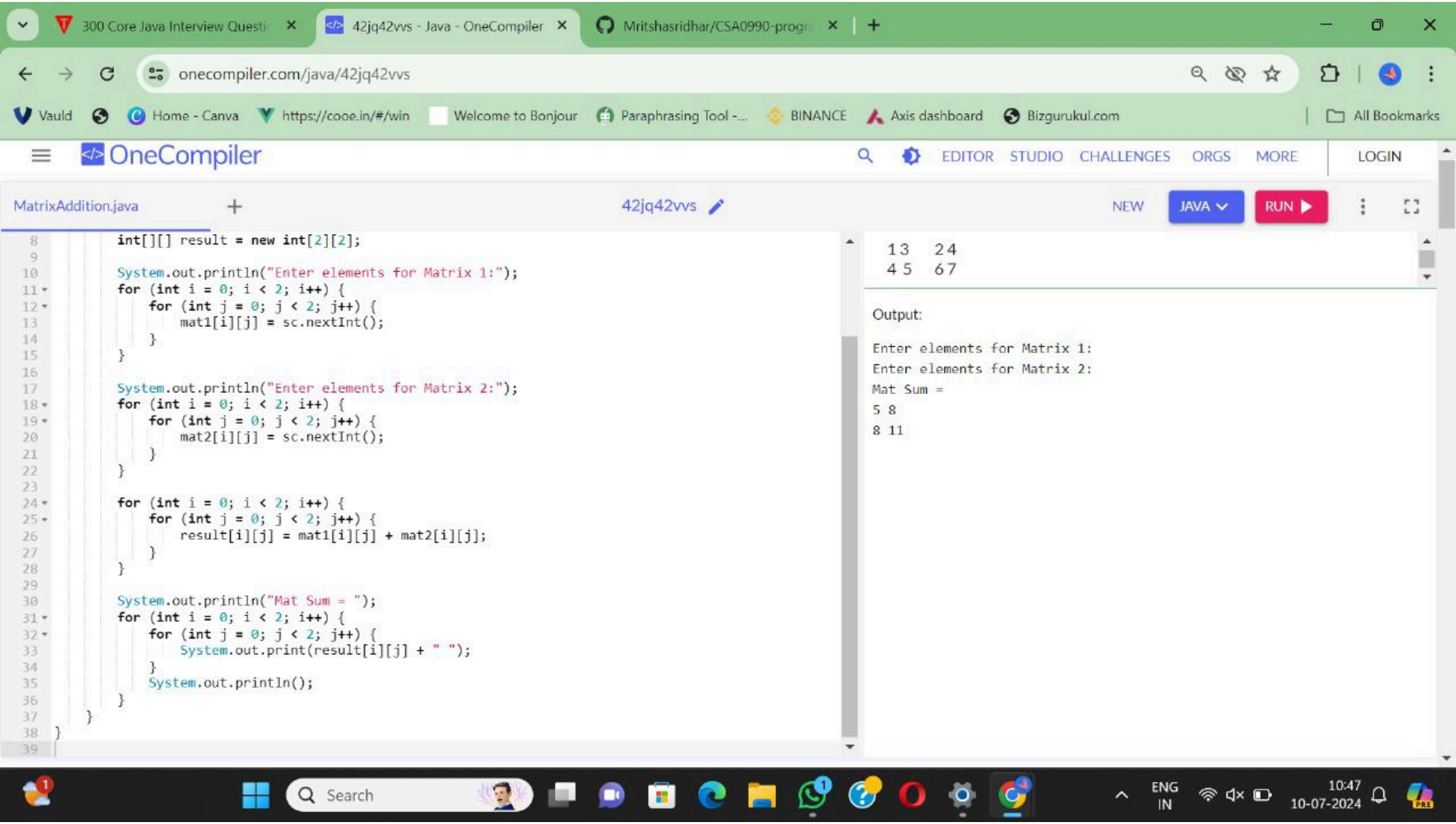
LOGIN
MatrixMultiplication.java
42jq42vvs
NEW
JAVA
RUN
for (int i = 0; i < 2; i++) {
for (int j = 0; j < 2; j++) {
mat1[i][j] = sc.nextInt();
}
}
System.out.println("Enter elements for Matrix 2:");
for (int i = 0; i < 2; i++) {
for (int j = 0; j < 2; j++) {
mat2[i][j] = sc.nextInt();
}
}
for (int i = 0; i < 2; i++) {
for (int j = 0; j < 2; j++) {
result[i][j] = 0;
for (int k = 0; k < 2; k++) {
result[i][j] += mat1[i][k] * mat2[k][j];
}
}
}
System.out.println("Mat Sum = ");
for (int i = 0; i < 2; i++) {
for (int j = 0; j < 2; j++) {
System.out.print(result[i][j] + " ");
}
System.out.println();
}
}
}
13 24
45 67
Output:
Enter elements for Matrix 1:
Enter elements for Matrix 2:
Mat Sum =
22 26
32 38
Search
ENG
IN
10:47
10-07-2024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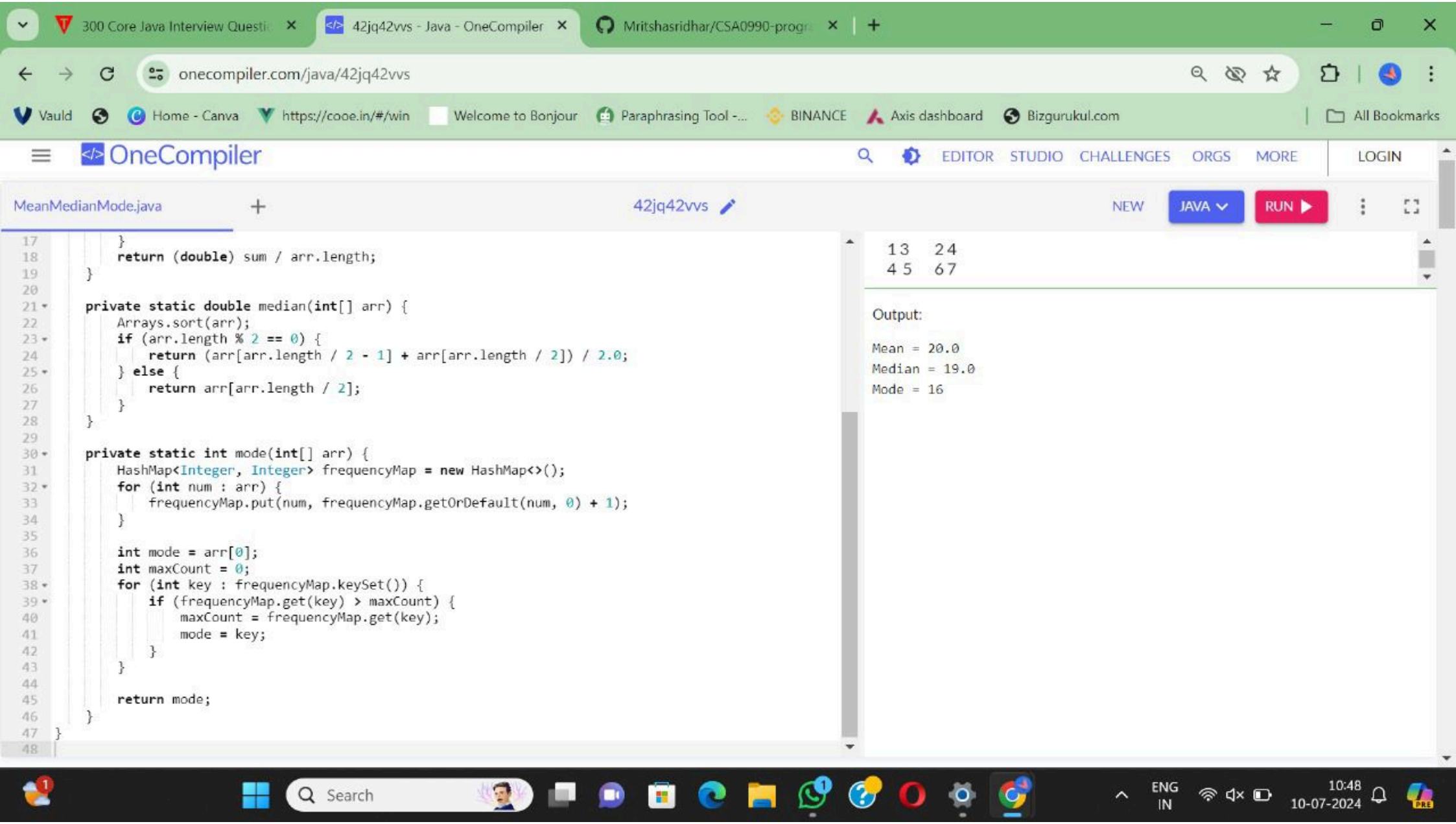
LOGIN
MatrixAddition.java
42jq42vvs
NEW
JAVA
RUN
int[][] result = new int[2][2];
System.out.println("Enter elements for Matrix 1:");
for (int i = 0; i < 2; i++) {
for (int j = 0; j < 2; j++) {
mat1[i][j] = sc.nextInt();
}
}
System.out.println("Enter elements for Matrix 2:");
for (int i = 0; i < 2; i++) {
for (int j = 0; j < 2; j++) {
mat2[i][j] = sc.nextInt();
}
}
for (int i = 0; i < 2; i++) {
for (int j = 0; j < 2; j++) {
result[i][j] = mat1[i][j] + mat2[i][j];
}
}
System.out.println("Mat Sum = ");
for (int i = 0; i < 2; i++) {
for (int j = 0; j < 2; j++) {
System.out.print(result[i][j] + " ");
}
System.out.println();
}
}
}
13 24
45 67
Output:
Enter elements for Matrix 1:
Enter elements for Matrix 2:
Mat Sum =
5 8
8 11
Search
ENG
IN
10:47
10-07-2024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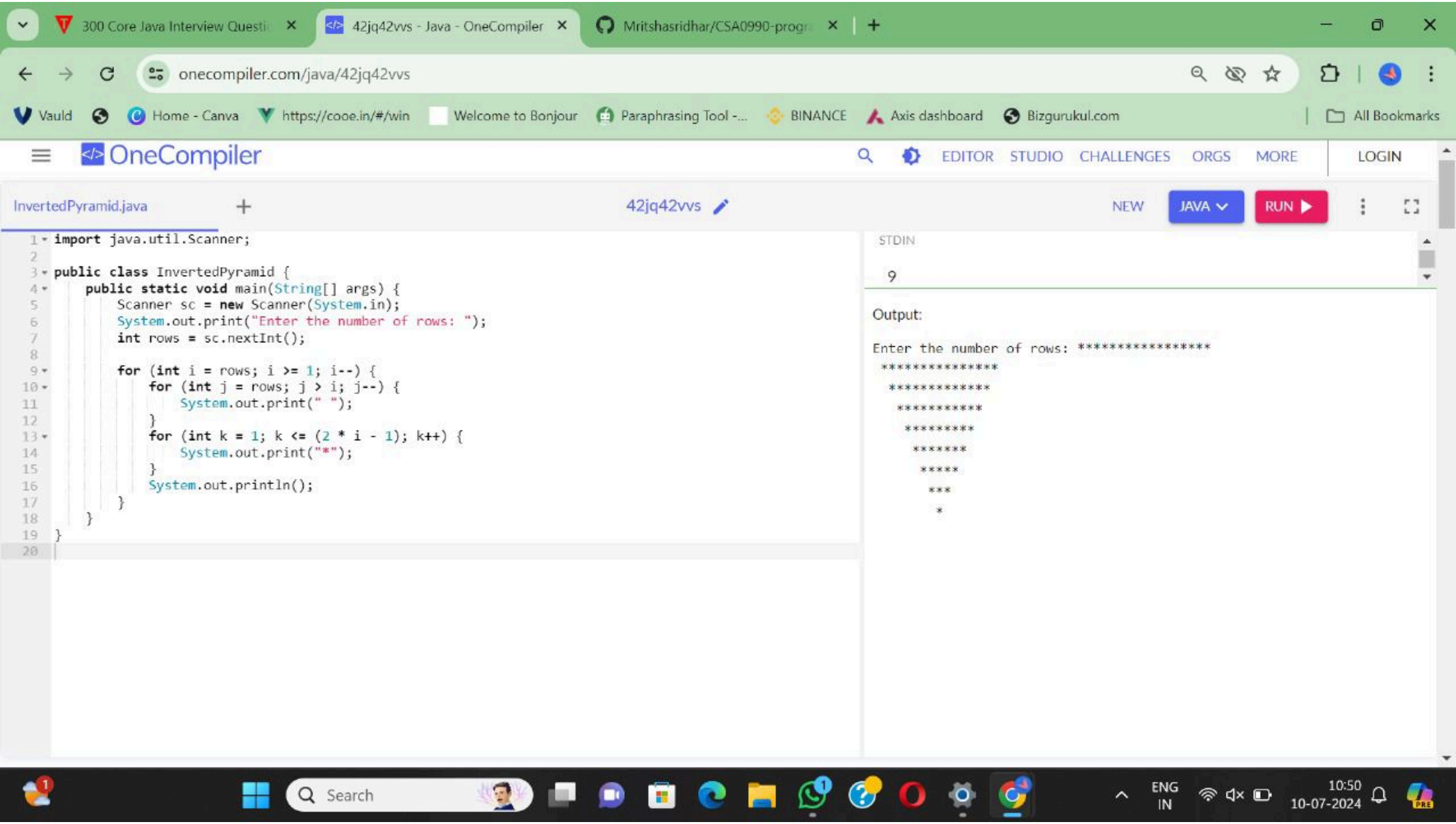
LOGIN
MeanMedianMode.java
42jq42vvs
NEW
JAVA
RUN
}
return (double) sum / arr.length;
}
private static double median(int[] arr) {
Arrays.sort(arr);
if (arr.length % 2 == 0) {
return (arr[arr.length / 2 - 1] + arr[arr.length / 2]) / 2.0;
} else {
return arr[arr.length / 2];
}
}
private static int mode(int[] arr) {
HashMap<Integer, Integer> frequencyMap = new HashMap<>();
for (int num : arr) {
frequencyMap.put(num, frequencyMap.getOrDefault(num, 0) + 1);
}
int mode = arr[0];
int maxCount = 0;
for (int key : frequencyMap.keySet()) {
if (frequencyMap.get(key) > maxCount) {
maxCount = frequencyMap.get(key);
mode = key;
}
}
return mode;
}
}
13 24
45 67
Output:
Mean = 20.0
Median = 19.0
Mode = 16
Search
ENG
IN
10:48
10-07-2024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LOGIN
InvertedPyramid.java
42jq42vvs
NEW
JAVA
RUN
import java.util.Scanner;
public class InvertedPyramid {
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
System.out.print("Enter the number of rows: ");
int rows = sc.nextInt();
for (int i = rows; i >= 1; i--) {
for (int j = rows; j > i; j--) {
System.out.print(" ");
}
for (int k = 1; k <= (2 * i - 1); k++) {
System.out.print("*");
}
System.out.println();
}
}
}
STDIN
9
Output:
Enter the number of rows: *****************
****
****
****
****
****
*****
***
*
Search
ENG
IN
10:50
10-07-2024