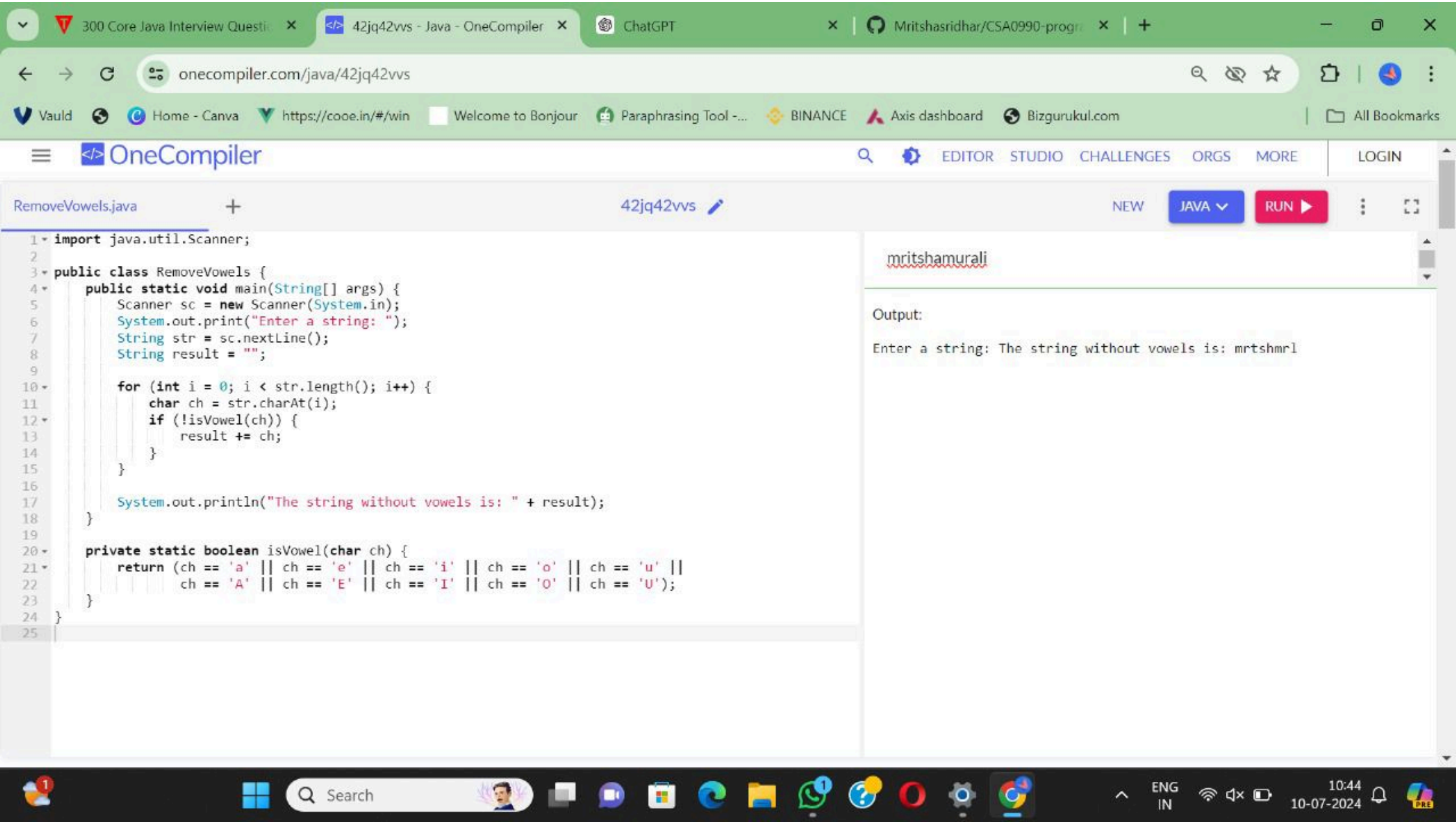
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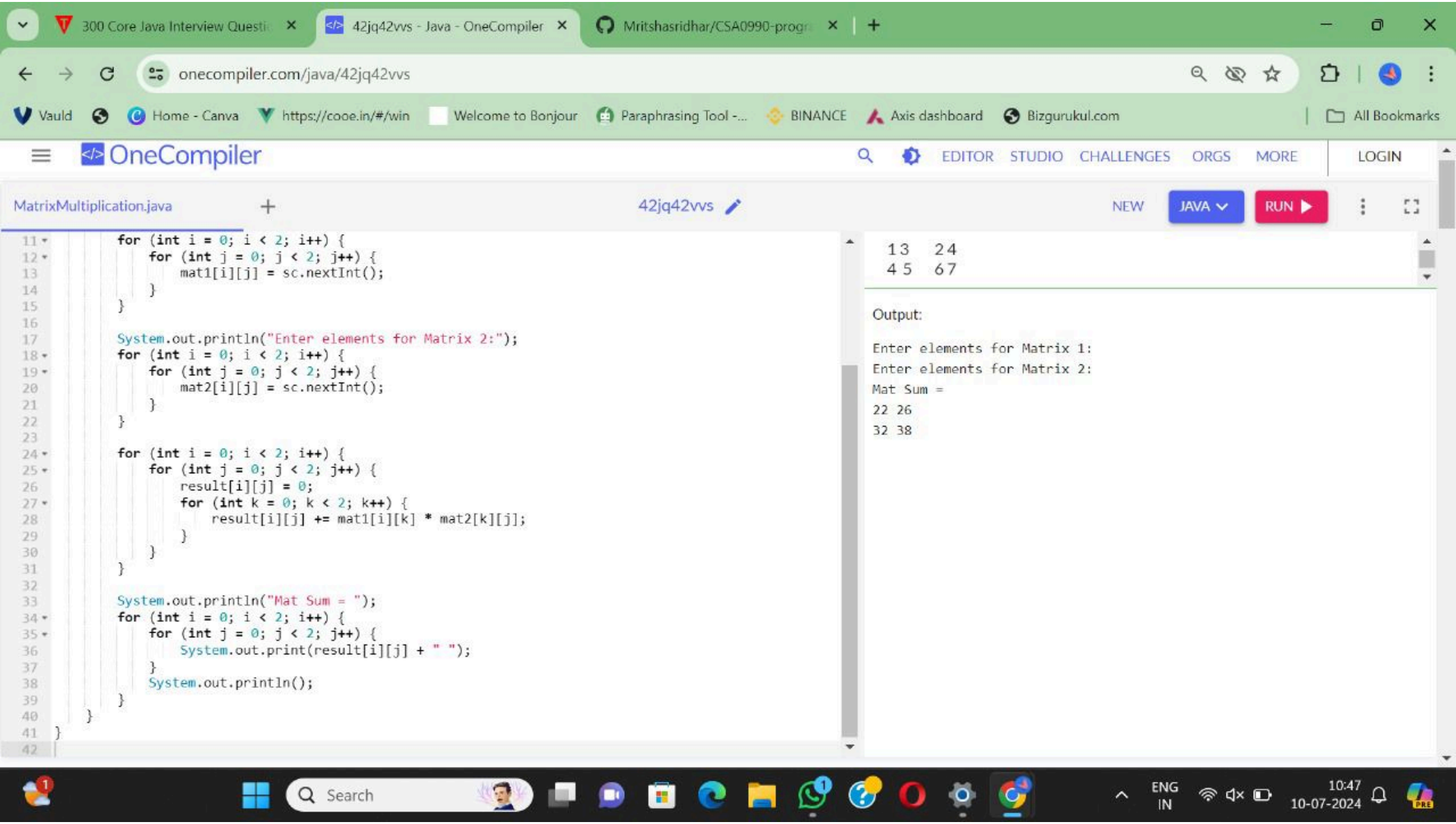
RemoveVowels.java
42jq42vvs
NEW
JAVA
RUN
1 import java.util.Scanner;
2
3 public class RemoveVowels {
4 public static void main(String[] args) {
5 Scanner sc = new Scanner(System.in);
6 System.out.print("Enter a string: ");
7 String str = sc.nextLine();
8 String result = "";
9
10 for (int i = 0; i < str.length(); 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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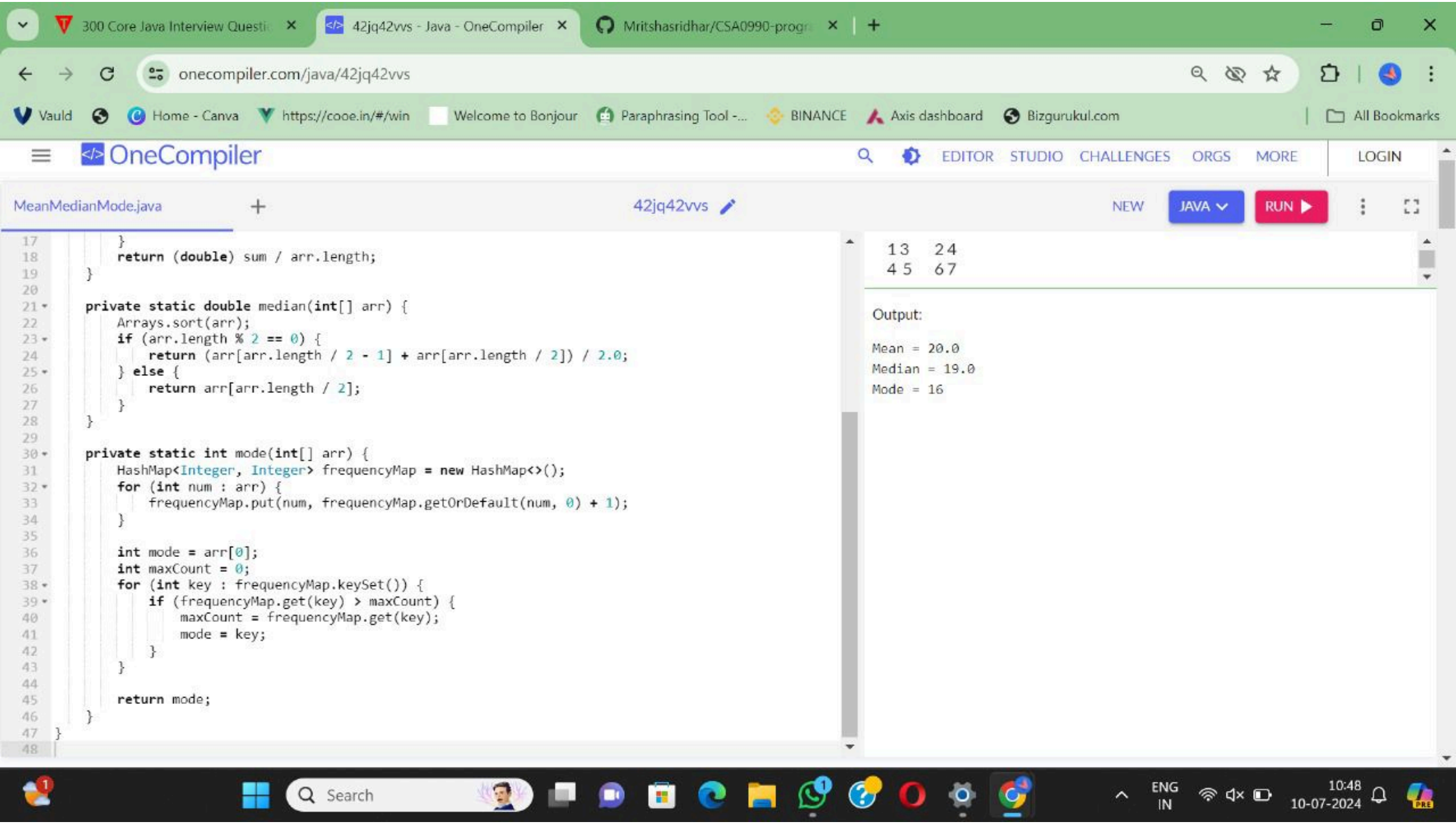
MatrixMultiplication.java
42jq42vvs
NEW
JAVA
RUN
for (int i = 0; i < 2; i++) {
for (int j = 0; j < 2; j++) {
mat1[i][j] = sc.nextInt();
}
}
System.out.println("Enter elements for Matrix 2:");
for (int i = 0; i < 2; i++) {
for (int j = 0; j < 2; j++) {
mat2[i][j] = sc.nextInt();
}
}
for (int i = 0; i < 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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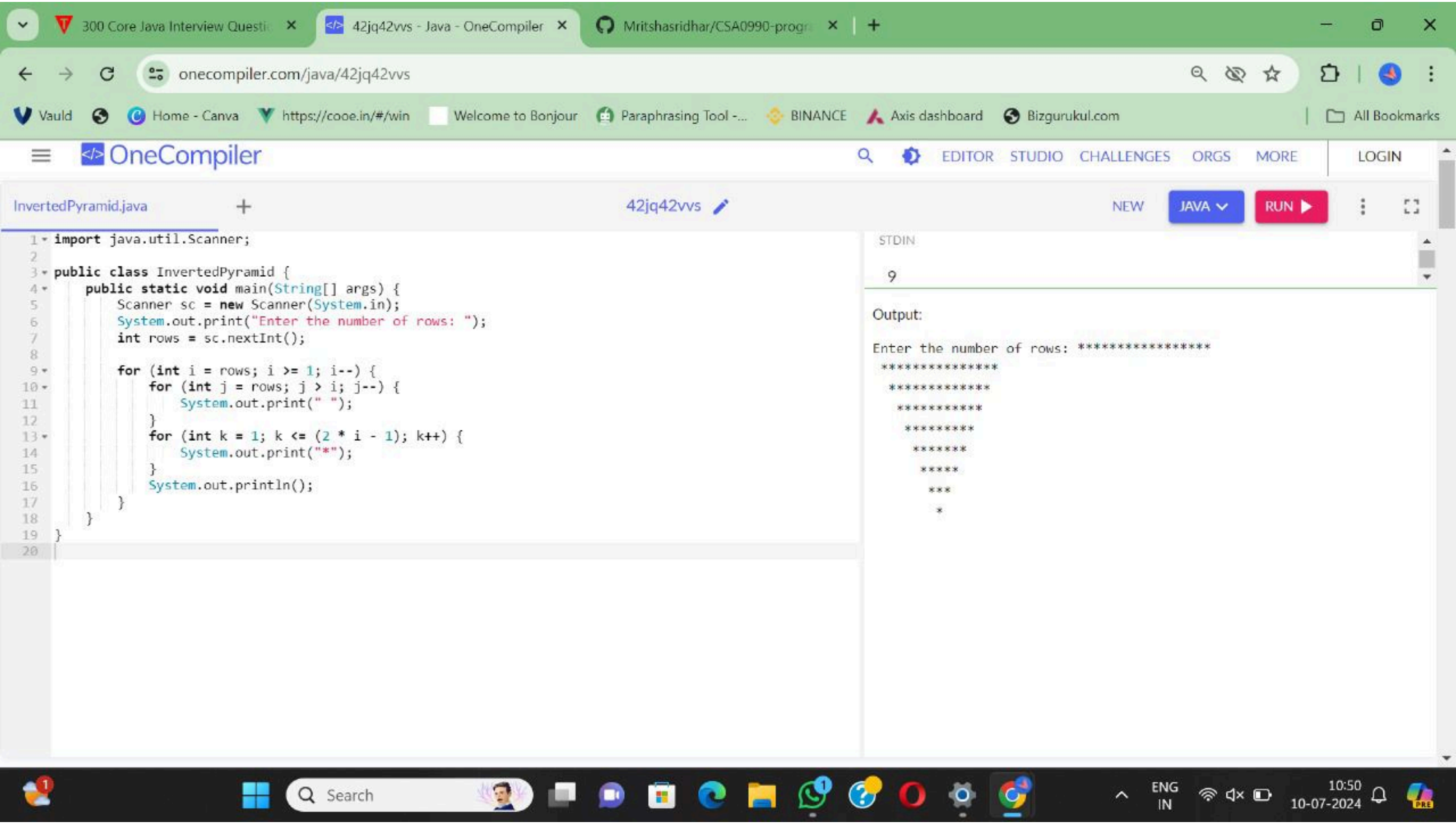
LOGIN
MeanMedianMode.java
42jq42vvs
NEW
JAVA
RUN
}
return (double) sum / arr.length;
}
private static double median(int[] arr) {
Arrays.sort(arr);
if (arr.length % 2 == 0) {
return (arr[arr.length / 2 - 1] + arr[arr.length / 2]) / 2.0;
} else {
return arr[arr.length / 2];
}
}
private static int mode(int[] 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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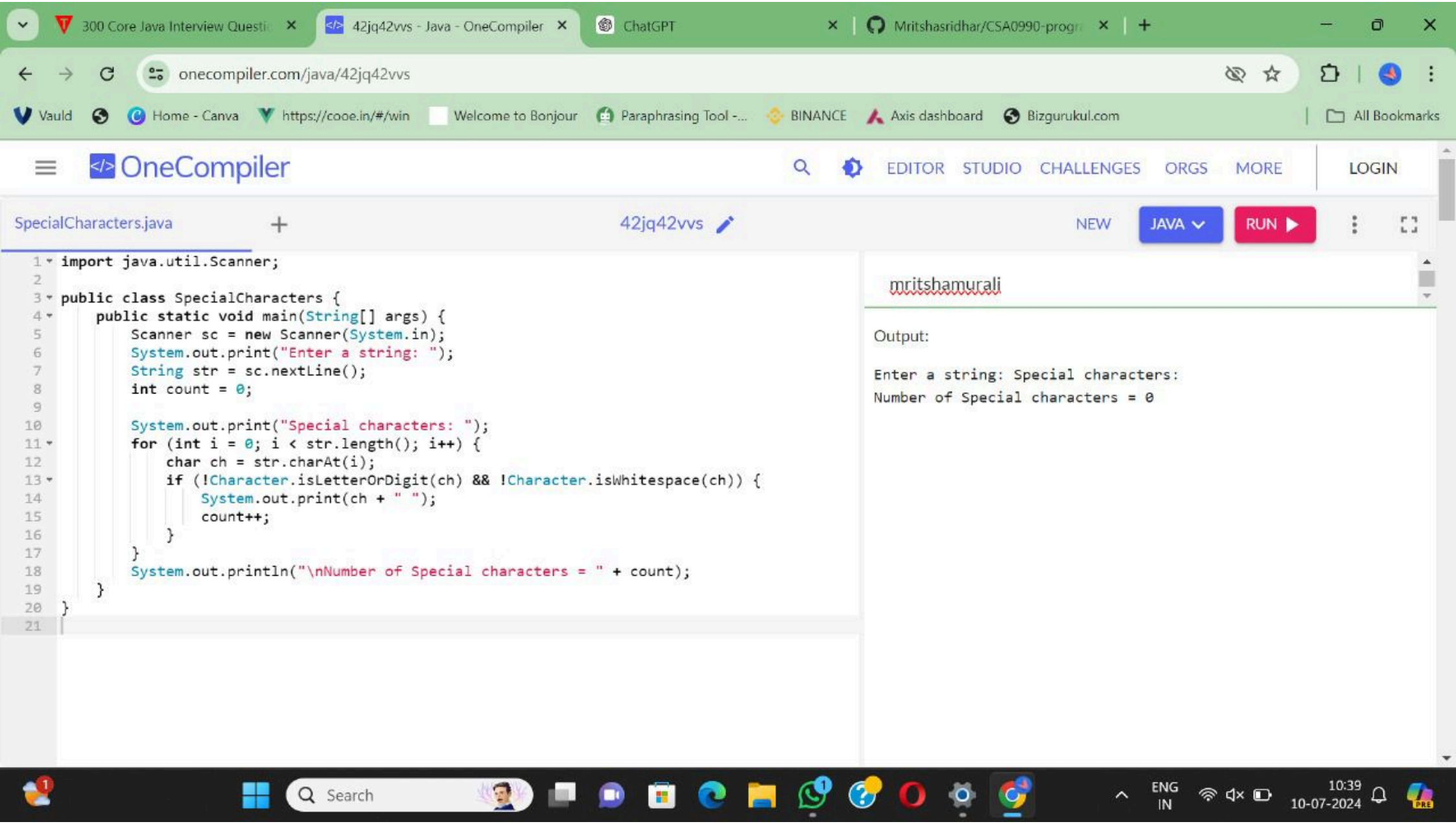
MORE
LOGIN
InvertedPyramid.java
42jq42vvs
NEW
JAVA
RUN
import java.util.Scanner;
public class InvertedPyramid {
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
System.out.print("Enter the number of rows: ");
int rows = sc.nextInt();
for (int i = rows; i >= 1; i--) {
for (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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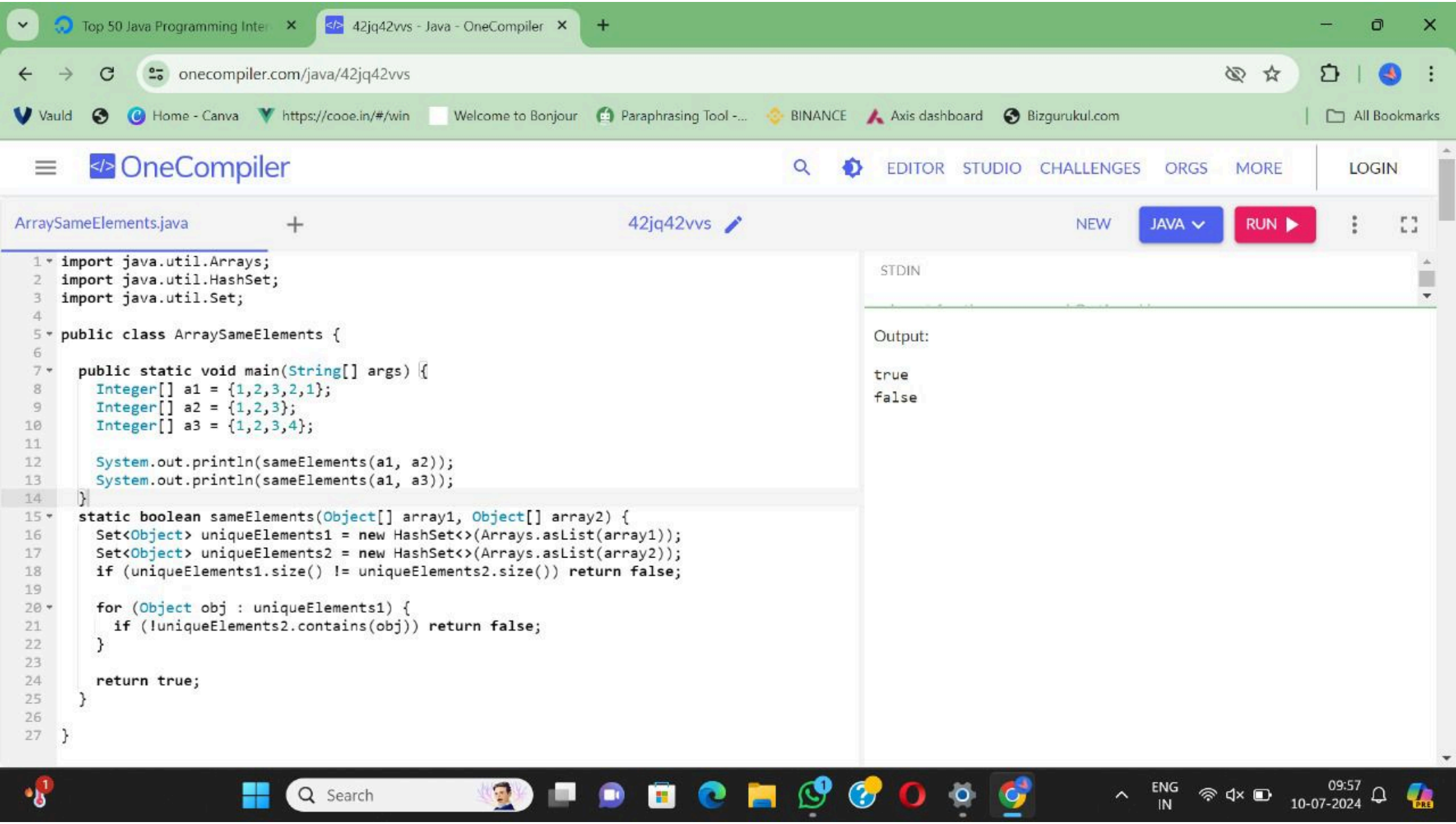
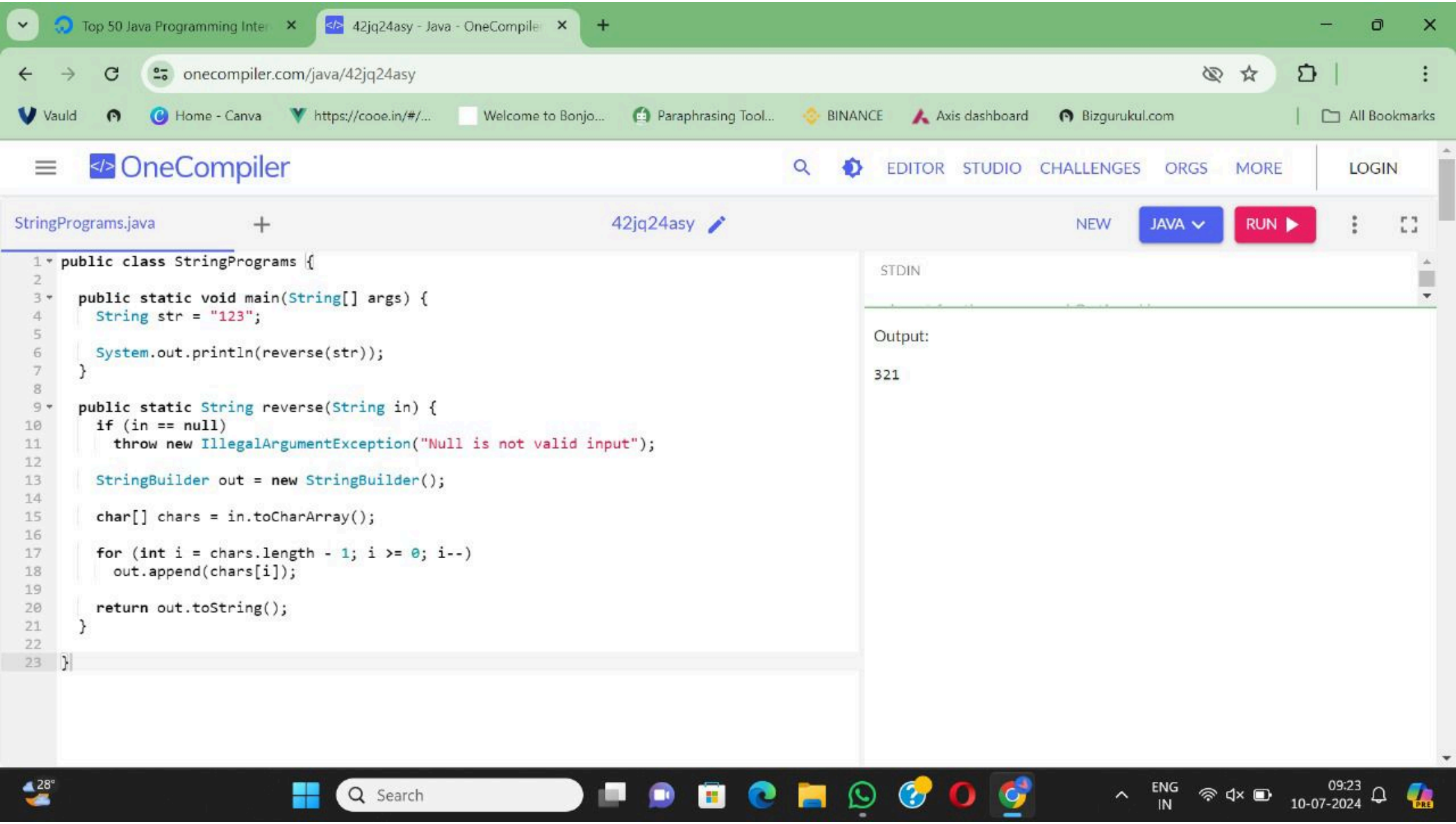
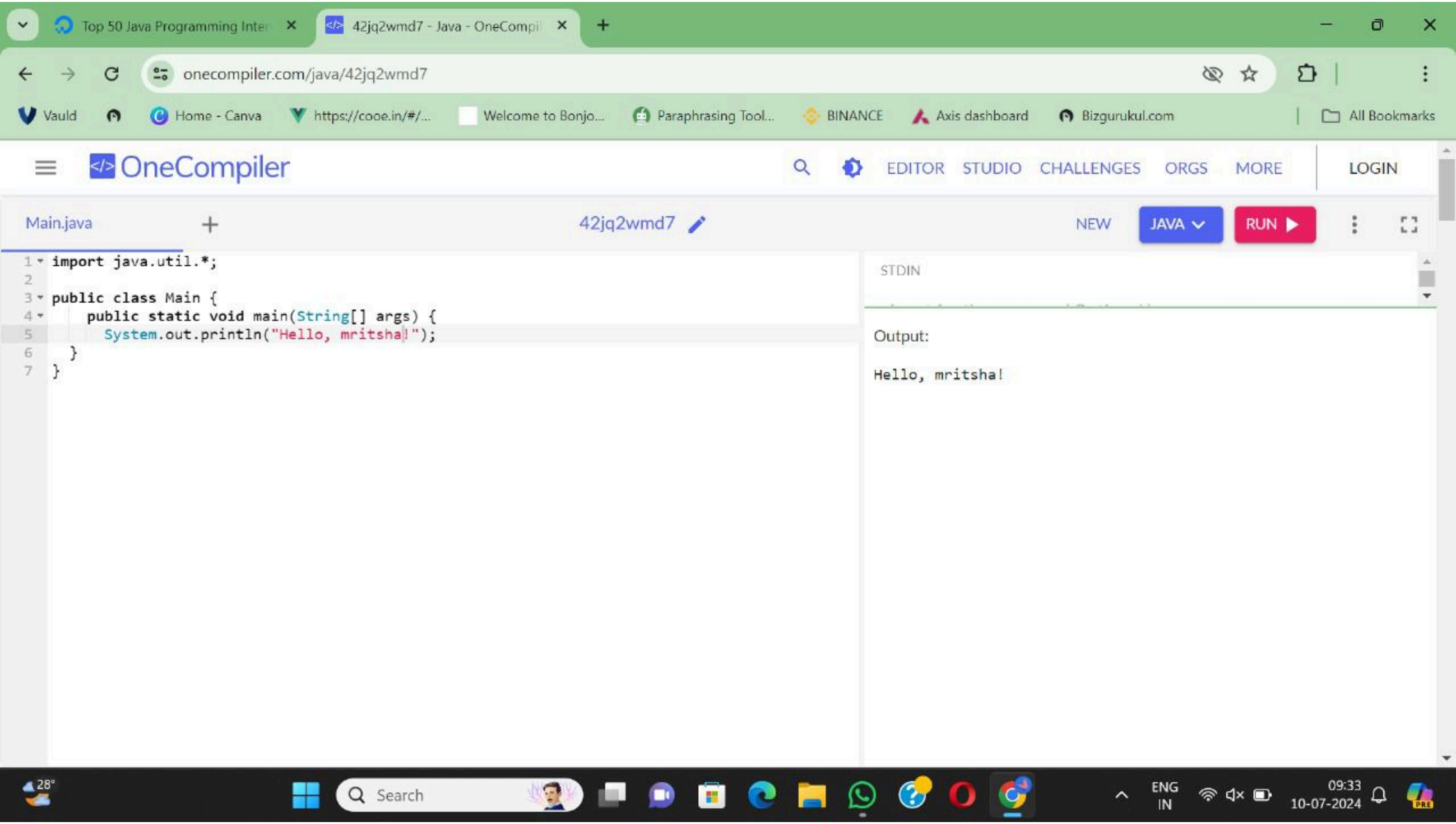
MORE
LOGIN
SpecialCharacters.java
42jq42vvs
NEW
JAVA
RUN
1 import java.util.Scanner;
2
3 public class SpecialCharacters {
4 public static void main(String[] args) {
5 Scanner sc = new Scanner(System.in);
6 System.out.print("Enter a string: ");
7 String str = sc.nextLine();
8 int count = 0;
9
10 System.out.print("Special 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




```java
import java.util.Arrays;
import java.util.HashSet;
import java.util.Set;

public class ArraySameElements {

  public static void main(String[] args) {
    Integer[] a1 = {1,2,3,2,1};
    Integer[] a2 = {1,2,3};
    Integer[] a3 = {1,2,3,4};

    System.out.println(sameElements(a1, a2));
    System.out.println(sameElements(a1, a3));
  }
  static boolean sameElements(Object[] array1, Object[] array2) {
    Set<Object> uniqueElements1 = new HashSet<>(Arrays.asList(array1));
    Set<Object> uniqueElements2 = new HashSet<>(Arrays.asList(array2));
    if (uniqueElements1.size() != uniqueElements2.size()) return false;

    for (Object obj : uniqueElements1) {
      if (!uniqueElements2.contains(obj)) return false;
    }

    return true;
  }

}
```




```java
public class StringPrograms {

  public static void main(String[] args) {
    String str = "123";

    System.out.println(reverse(str));
  }

  public static String reverse(String in) {
    if (in == null)
      throw new IllegalArgumentException("Null is not valid input");

    StringBuilder out = new StringBuilder();

    char[] chars = in.toCharArray();

    for (int i = chars.length - 1; i >= 0; i--)
      out.append(chars[i]);

    return out.toString();
  }

}
```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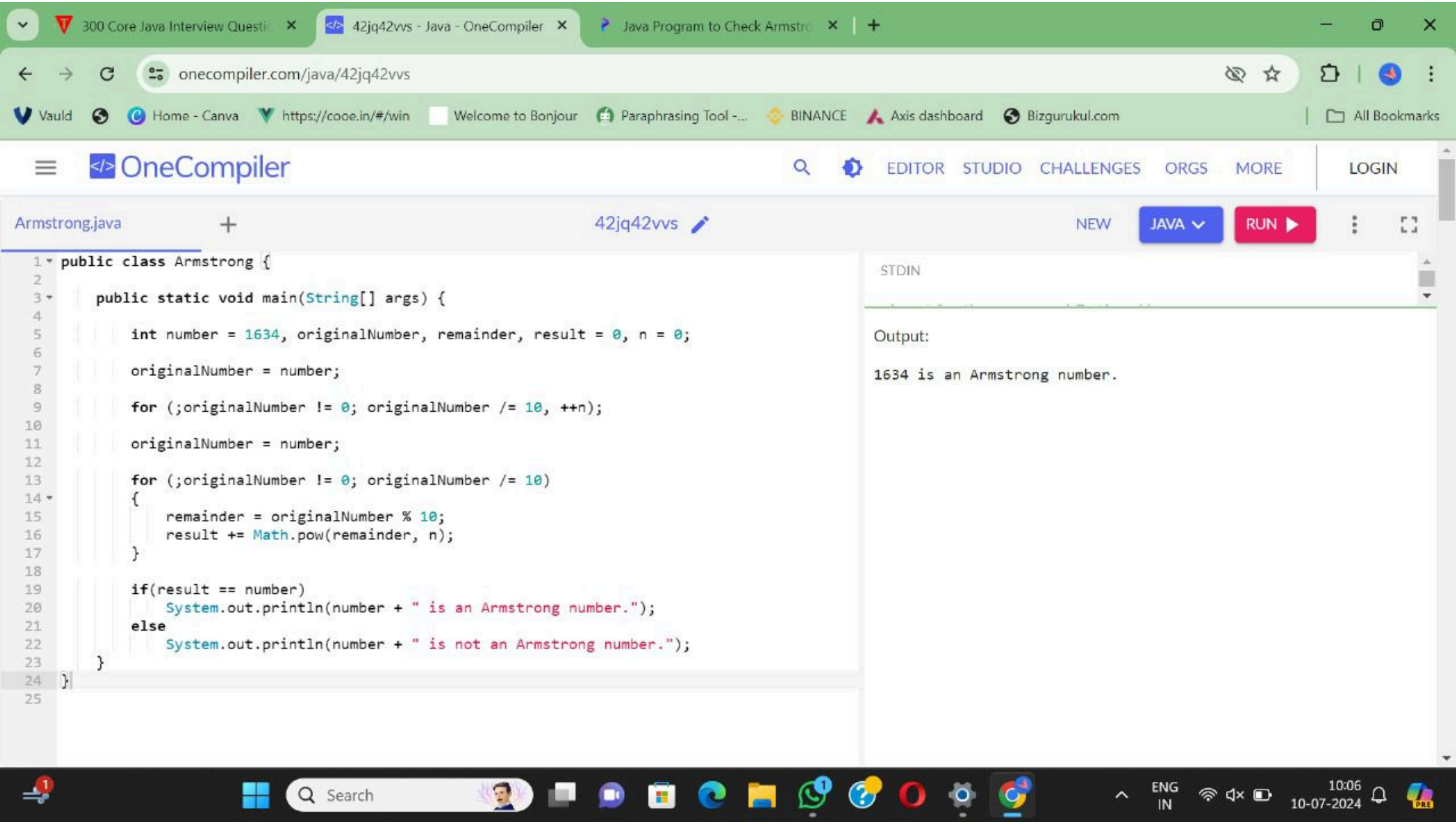
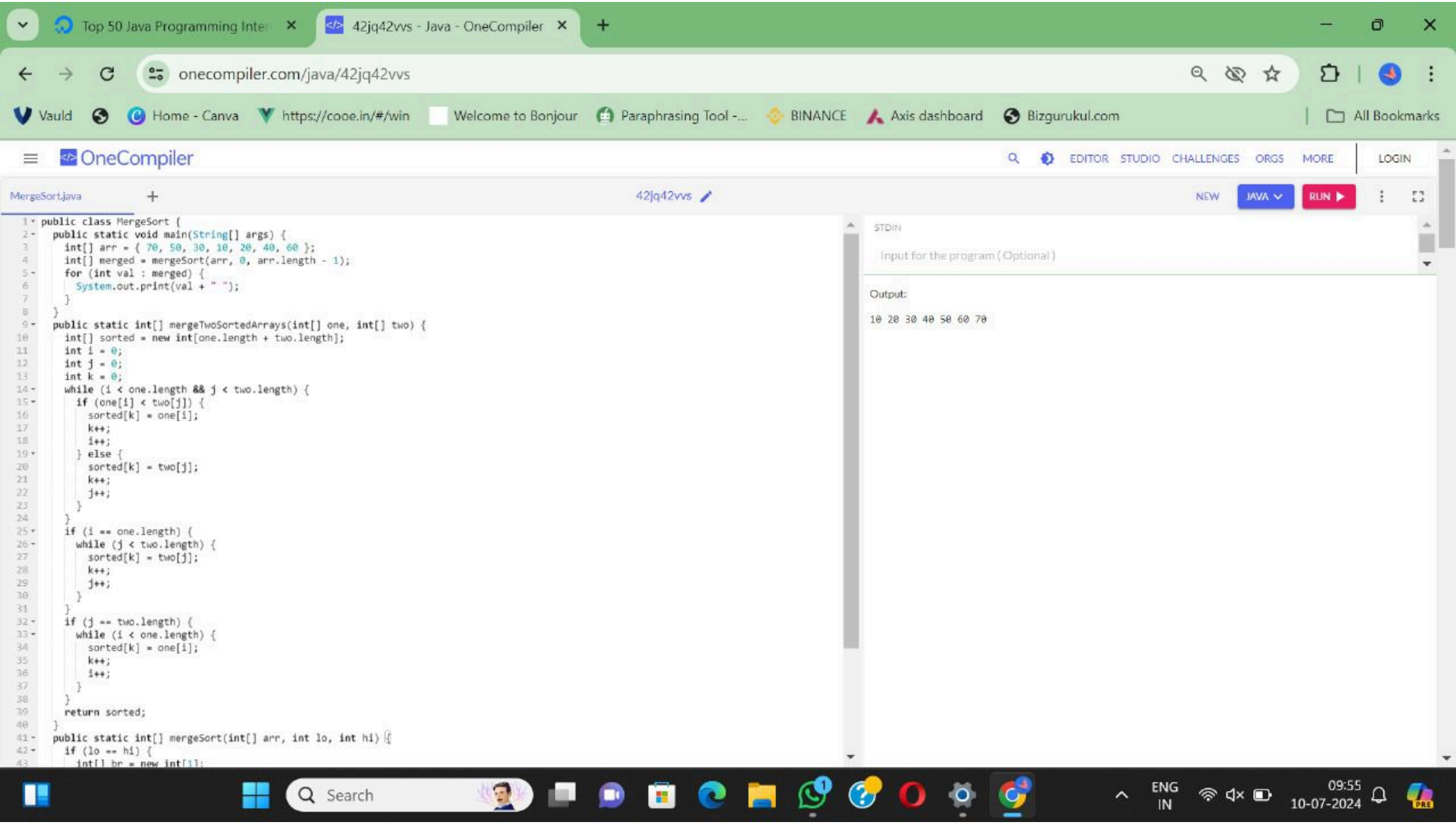
LOGIN
Main.java
42jq2wmd7
NEW
JAVA
RUN
1 import java.util.*;
2
3 public class Main {
4 public static void main(String[] args) {
5 System.out.println("Hello, mritsha!");
6 }
7 }
STDIN
Output:
Hello, mritsha!
28°
Search
ENG
IN
09:33
10-07-2024




```java
public class Armstrong {

    public static void main(String[] args) {

        int number = 1634, originalNumber, remainder, result = 0, n = 0;

        originalNumber = number;

        for (;originalNumber != 0; originalNumber /= 10, ++n);

        originalNumber = number;

        for (;originalNumber != 0; originalNumber /= 10)
        {
            remainder = originalNumber % 10;
            result += Math.pow(remainder, n);
        }

        if(result == number)
            System.out.println(number + " is an Armstrong number.");
        else
            System.out.println(number + " is not an Armstrong number.");
    }
}
```




```java
public class MergeSort {
  public static void main(String[] args) {
    int[] arr = { 70, 50, 30, 10, 20, 40, 60 };
    int[] merged = mergeSort(arr, 0, arr.length - 1);
    for (int val : merged) {
      System.out.print(val + " ");
    }
  }
  public static int[] mergeTwoSortedArrays(int[] one, int[] two) {
    int[] sorted = new int[one.length + two.length];
    int i = 0;
    int j = 0;
    int k = 0;
    while (i < one.length && j < two.length) {
      if (one[i] < two[j]) {
        sorted[k] = one[i];
        k++;
        i++;
      } else {
        sorted[k] = two[j];
        k++;
        j++;
      }
    }
    if (i == one.length) {
      while (j < two.length) {
        sorted[k] = two[j];
        k++;
        j++;
      }
    }
    if (j == two.length) {
      while (i < one.length) {
        sorted[k] = one[i];
        k++;
        i++;
      }
    }
    return sorted;
  }
  public static int[] mergeSort(int[] arr, int lo, int hi) {
    if (lo == hi) {
      int[] br = new int[1];
```