Java Program.txt - Notepad

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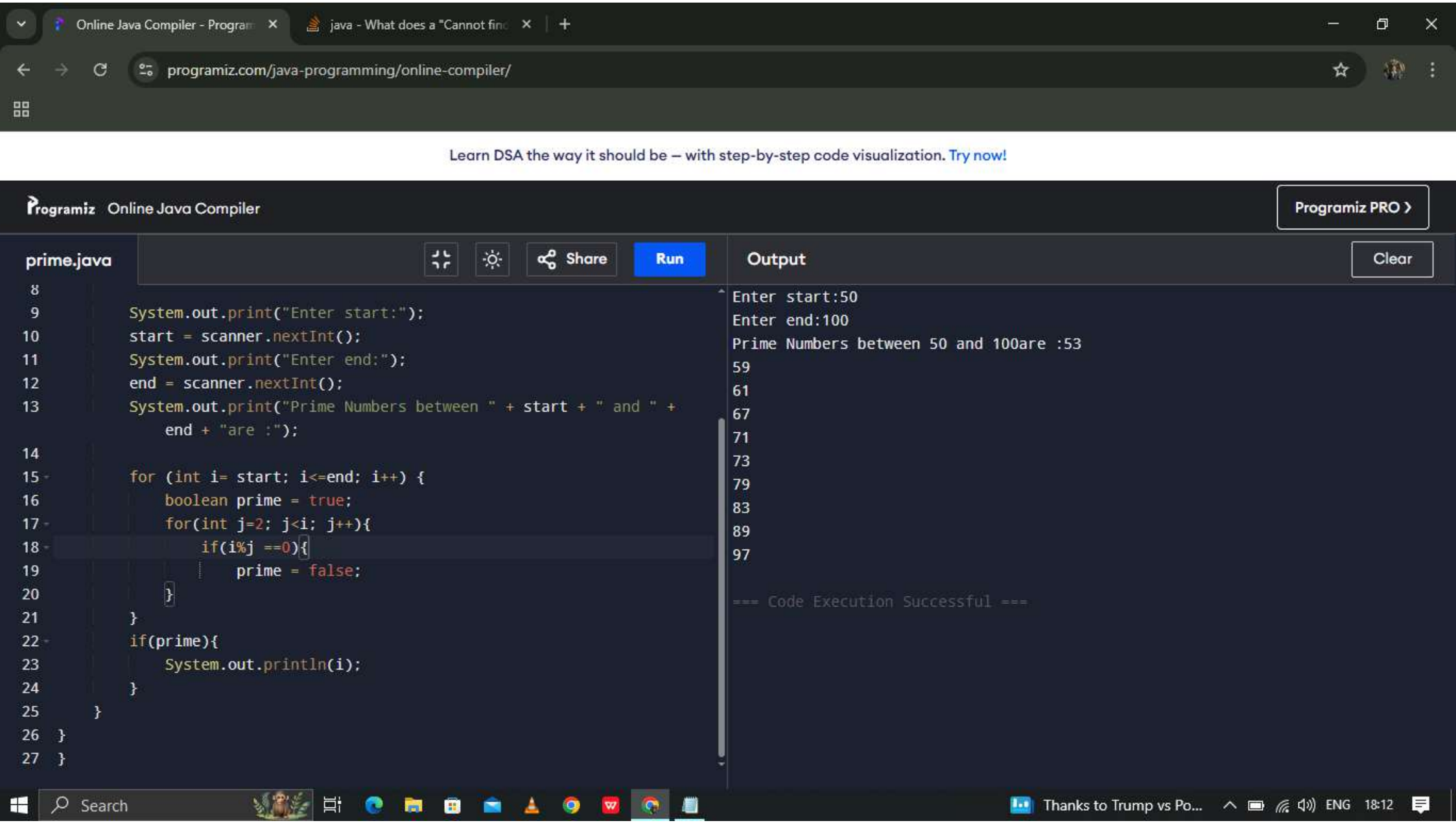
```
import java.util.*;

public class prime {
    public static void main(String args[]) {
        Scanner scanner = new Scanner(System.in);
        int start;
        int end;

        System.out.print("Enter start:");
        start = scanner.nextInt();
        System.out.print("Enter end:");
        end = scanner.nextInt();
        System.out.print("Prime Numbers between " + start + " and " + end + "are :");

        for (int i= start; i<=end; i++) {
            boolean prime = true;
            for(int j=2; j<i; j++){
                if(i%j ==0){
                    prime = false;
                }
            }
            if(prime){
                System.out.println(i);
            }
    }
}
}
```

Ln 27, Col 2 | 160% | Windows (CRLF) | UTF-8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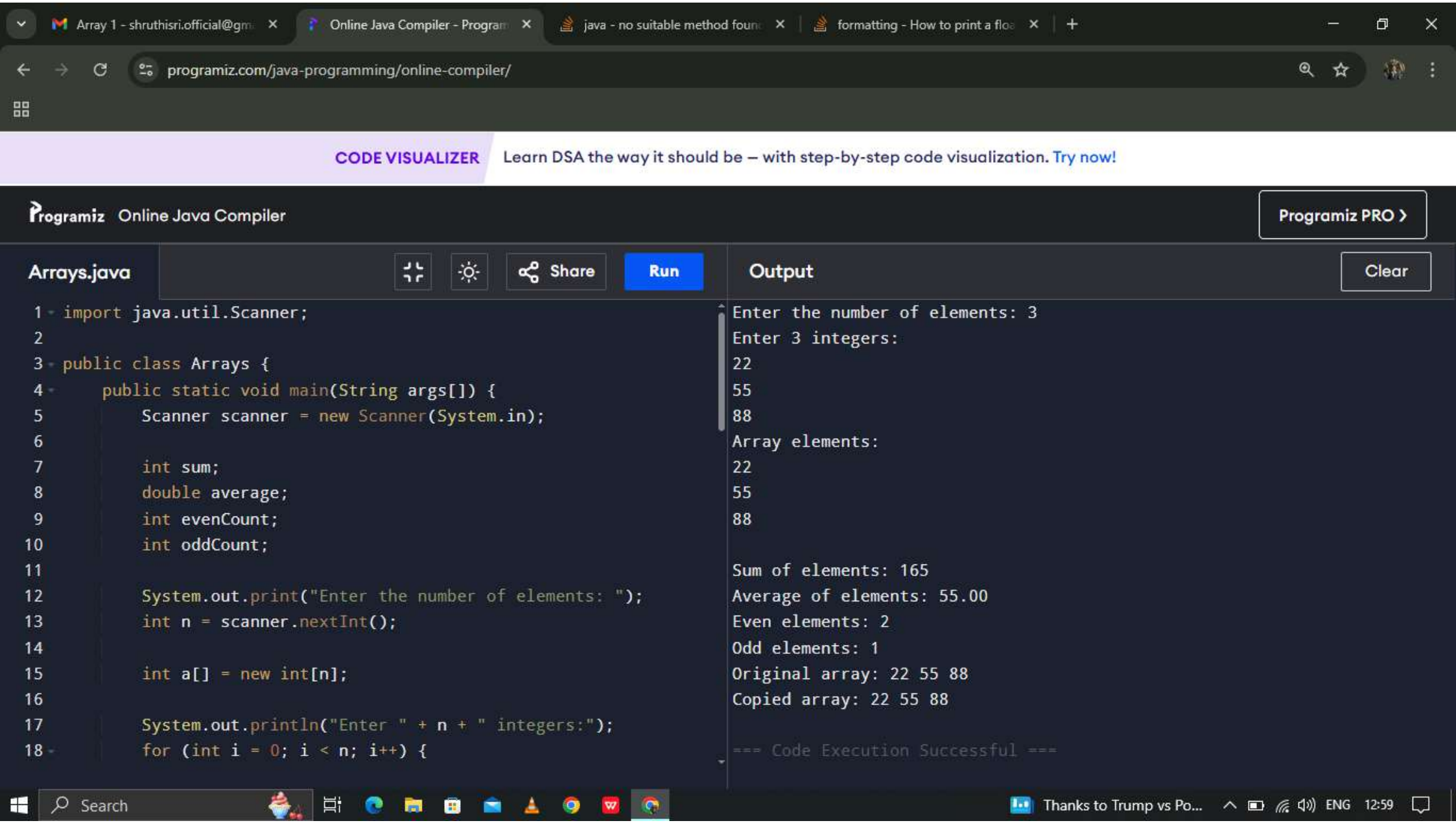
prime.java
Share
Run
Output
Clear
System.out.print("Enter start:");
start = scanner.nextInt();
System.out.print("Enter end:");
end = scanner.nextInt();
System.out.print("Prime Numbers between " + start + " and " +
end + "are :");
for (int i= start; i<=end; i++) {
boolean prime = true;
for(int j=2; j<i; j++){
if(i%j ==0){
prime = false;
}
}
if(prime){
System.out.println(i);
}
}
}
}
Enter start:50
Enter end:100
Prime Numbers between 50 and 100are :53
59
61
67
71
73
79
83
89
97
=== Code Execution Successful ===
Search
Thanks to Trump vs Po...
ENG
18:12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Arrays.java
Share
Run
Output
Clear
1 import java.util.Scanner;
2
3 public class Arrays {
4 public static void main(String args[]) {
5 Scanner scanner = new Scanner(System.in);
6
7 int sum;
8 double average;
9 int evenCount;
10 int oddCount;
11
12 System.out.print("Enter the number of elements: ");
13 int n = scanner.nextInt();
14
15 int a[] = new int[n];
16
17 System.out.println("Enter " + n + " integers:");
18 for (int i = 0; i < n; i++) {
Enter the number of elements: 3
Enter 3 integers:
22
55
88
Array elements:
22
55
88
Sum of elements: 165
Average of elements: 55.00
Even elements: 2
Odd elements: 1
Original array: 22 55 88
Copied array: 22 55 88
=== Code Execution Successful ===
Search
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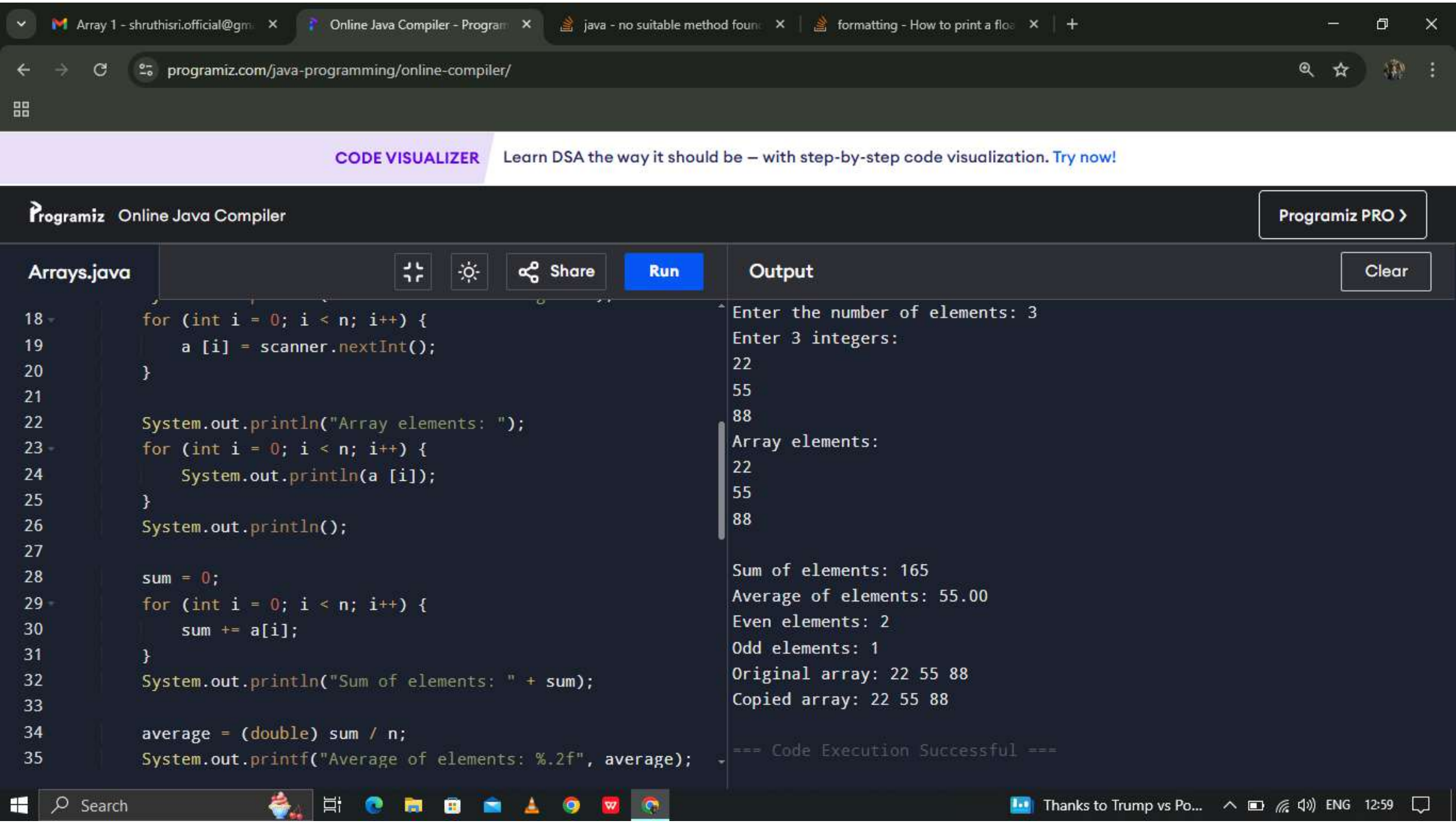
ENG
12:59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Arrays.java
Share
Run
Output
Clear
for (int i = 0; i < n; i++) {
a [i] = scanner.nextInt();
}
System.out.println("Array elements: ");
for (int i = 0; i < n; i++) {
System.out.println(a [i]);
}
System.out.println();
sum = 0;
for (int i = 0; i < n; i++) {
sum += a[i];
}
System.out.println("Sum of elements: " + sum);
average = (double) sum / n;
System.out.printf("Average of elements: %.2f", average);
Enter the number of elements: 3
Enter 3 integers:
22
55
88
Array elements:
22
55
88
Sum of elements: 165
Average of elements: 55.00
Even elements: 2
Odd elements: 1
Original array: 22 55 88
Copied array: 22 55 88
=== Code Execution Successful ===
Search
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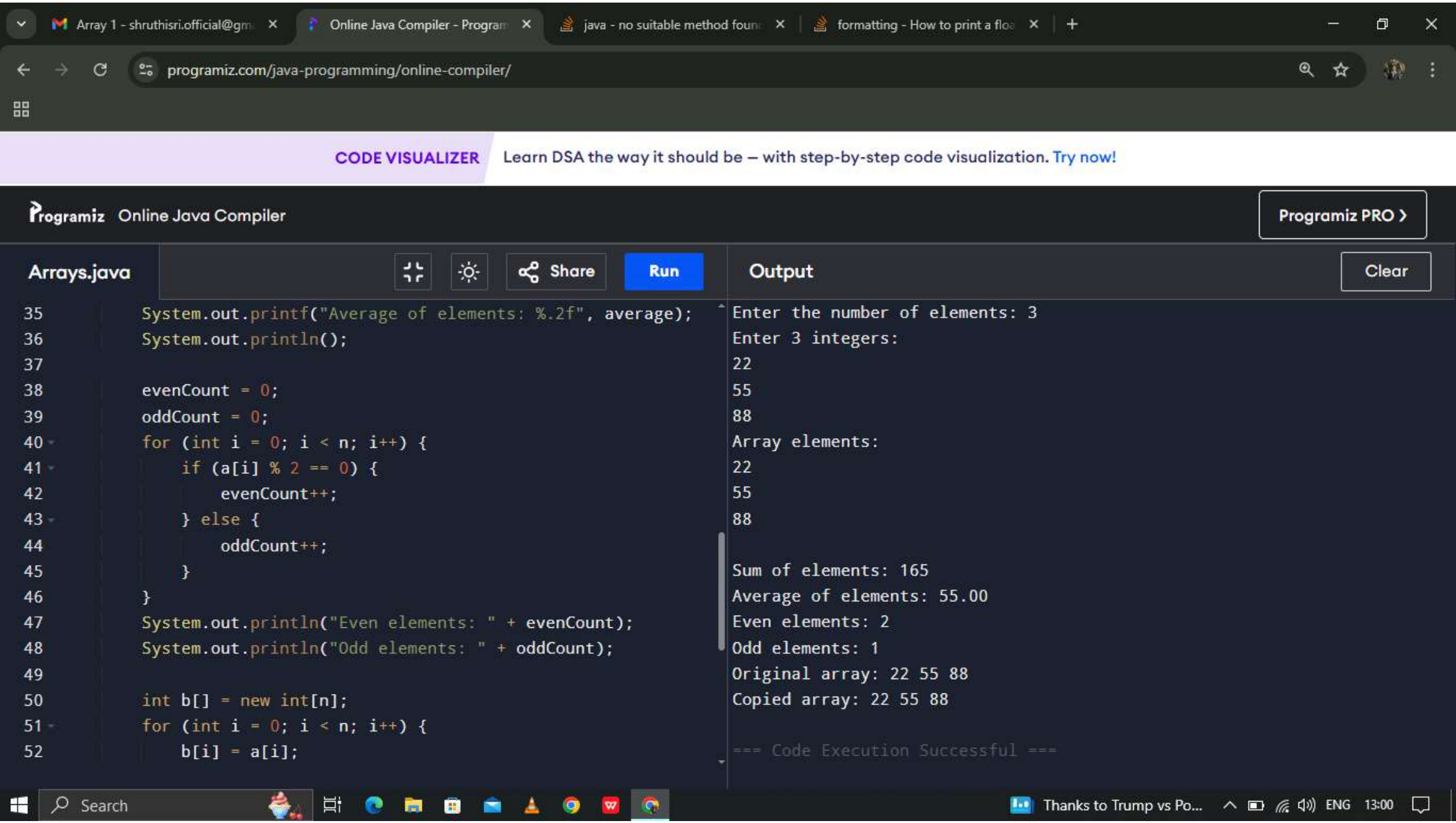
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Clear
35 System.out.printf("Average of elements: %.2f", average);
36 System.out.println();
37
38 evenCount = 0;
39 oddCount = 0;
40 for (int i = 0; i < n; i++) {
41 if (a[i] % 2 == 0) {
42 evenCount++;
43 } else {
44 oddCount++;
45 }
46 }
47 System.out.println("Even elements: " + evenCount);
48 System.out.println("Odd elements: " + oddCount);
49
50 int b[] = new int[n];
51 for (int i = 0; i < n; i++) {
52 b[i] = a[i];
Enter the number of elements: 3
Enter 3 integers:
22
55
88
Array elements:
22
55
88
Sum of elements: 165
Average of elements: 55.00
Even elements: 2
Odd elements: 1
Original array: 22 55 88
Copied array: 22 55 88
=== Code Execution Successful ===
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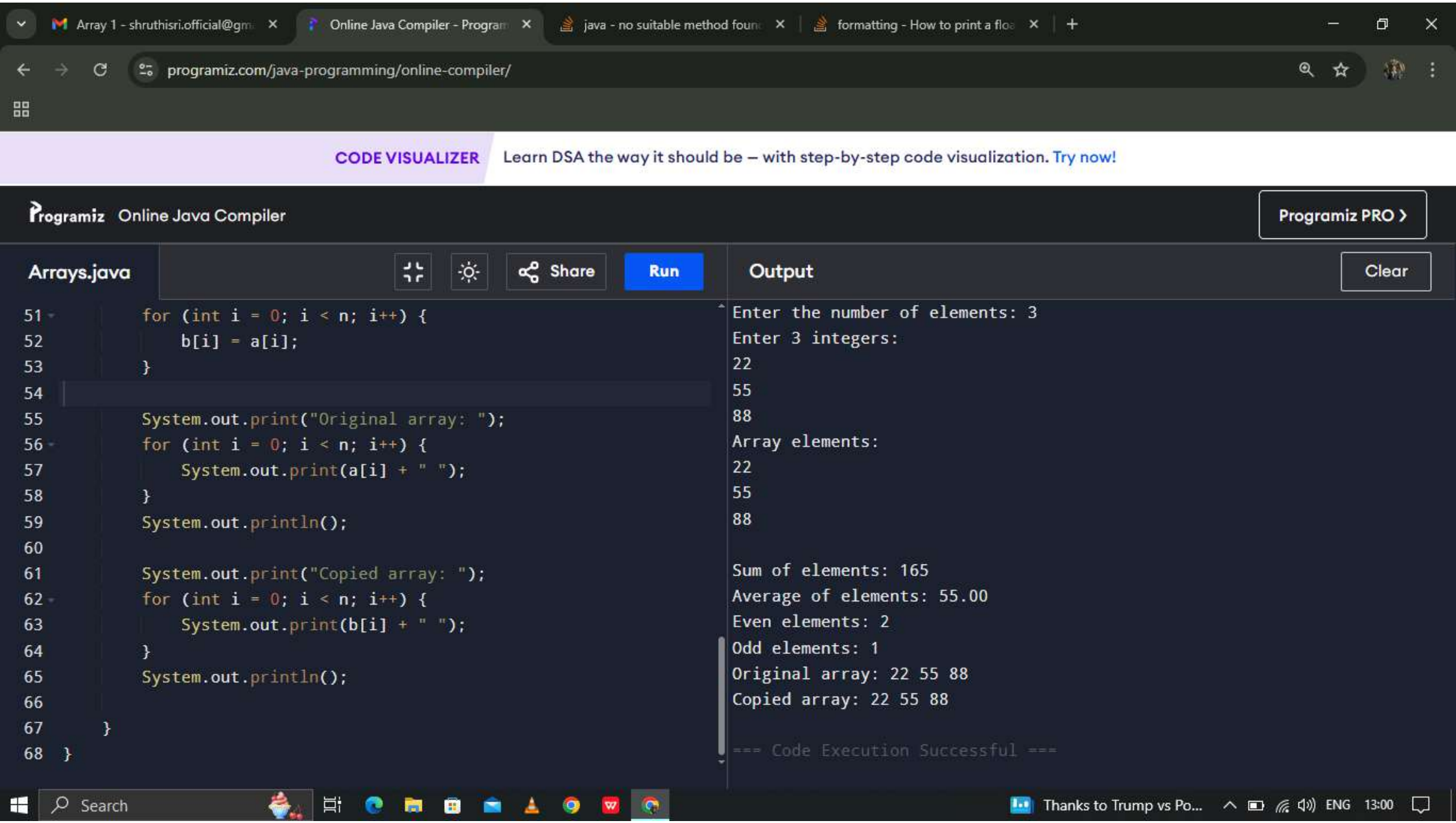
13:00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Arrays.java
Share
Run
Output
Clear
51 for (int i = 0; i < n; i++) {
52 b[i] = a[i];
53 }
54
55 System.out.print("Original array: ");
56 for (int i = 0; i < n; i++) {
57 System.out.print(a[i] + " ");
58 }
59 System.out.println();
60
61 System.out.print("Copied array: ");
62 for (int i = 0; i < n; i++) {
63 System.out.print(b[i] + " ");
64 }
65 System.out.println();
66
67 }
68 }
Enter the number of elements: 3
Enter 3 integers:
22
55
88
Array elements:
22
55
88
Sum of elements: 165
Average of elements: 55.00
Even elements: 2
Odd elements: 1
Original array: 22 55 88
Copied array: 22 55 88
=== Code Execution Successful ===
Search
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ENG
13:00

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```
import java.util.Scanner;

public class Array{
    public static void main(String args[]) {
        Scanner scanner = new Scanner(System.in);

        int size;
        int largest;
        int smallest;
        int element;
        int number;

        System.out.print("Enter the size of Array:");
        size = scanner.nextInt();

        int array[] = new int[size];
        System.out.println("Enter " + size + " Elements:");
        for (int i = 0; i < size; i++) {
            array[i] = scanner.nextInt();
        }

        largest = array[0];
        smallest = array[0];
        for (int i = 1; i < size; i++) {
            if (array[i] > largest){
                largest = array[i];
            if (array[i] < smallest){
                smallest = array[i];
            }
            }
```

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Search | US consumer sentimen... | ENG | 10:28

*Java Program.txt - Notepad

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```
        for (int i = 1; i < size; i++) {
            if (array[i] > largest){
                largest = array[i];
            if (array[i] < smallest){
                smallest = array[i];
            }
            }
        }
        System.out.println("Largest Element:" + largest);
        System.out.println("Smallest Element:" + smallest);

        System.out.print("Enter an Element to find Index:");
        element = scanner.nextInt();

    int index = 0;
    for (int i = 1; i < size; i++) {
        if (array[i] == element) {
            index = i;
        }
    }
        if (index != 0) {
            System.out.println("Index of " + element + ": " + index);
        }

        System.out.print("Enter an Element to Count Frequency: ");
        element = scanner.nextInt();
        int count = 0;
        for (int i = 0; i < size; i++) {
            if (array[i] == element) count++;
        }
```

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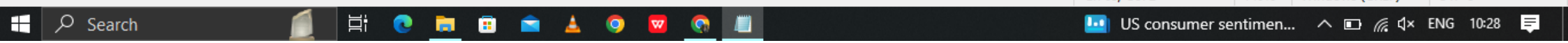

*Java Program.txt - Notepad

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```
        int index = 0;
        for (int i = 1; i < size; i++) {
            if (array[i] == element) {
                index = i;
            }
        }
            if (index != 0) {
                System.out.println("Index of " + element + ": " + index);
            }

         System.out.print("Enter an Element to Count Frequency: ");
         element = scanner.nextInt();
         int count = 0;
         for (int i = 0; i < size; i++) {
             if (array[i] == element) count++;
         }
         System.out.println("Frequency of " + element + ": " + count);

         System.out.print("Enter a Number to find Elements Greater than it: ");
         number = scanner.nextInt();
         System.out.print("Elements greater than " + number + ": ");
         for (int i = 0; i < size; i++) {
             if (array[i] > number) {
                 System.out.print(array[i] + " ");
             }
         }
    }
}
```

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Main.java

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```
14          size = scanner.nextInt();
15
16          int array[] = new int[size];
17          System.out.println("Enter " + size + " Elements:");
18          for (int i = 0; i < size; i++) {
19              array[i] = scanner.nextInt();
20          }
21
22          largest = array[0];
23          smallest = array[0];
24          for (int i = 1; i < size; i++) {
25              if (array[i] > largest){ largest = array[i];
26              if (array[i] < smallest){ smallest = array[i];
27              }
28              }
29          }
30          System.out.println("Largest Element:" + largest);
31          System.out.println("Smallest Element:" + smallest);
32
33          System.out.print("Enter an Element to find Index:");
```

Output | Clear

```
Enter the size of Array:6
Enter 6 Elements:
11
77
20
20
11
40
Largest Element:77
Smallest Element:11
Enter an Element to find Index:77
Index of 77: 1
Enter an Element to Count Frequency: 20
Frequency of 20: 2
Enter a Number to find Elements Greater than it: 11
Elements greater than 11: 77 20 20 40
=== Code Execution Successful ===
```

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