

***** OUTPUT *****

SCENARIO AS PER QUESTION:

```
value of i:1  
store this  
2  
store this  
3  
store this  
4  
store this  
5
```

```
value of i:2  
store this  
3  
store this  
4  
Total is 9
```

```
value of i:3  
store this  
4  
store this  
5
```

```
value of i:4  
store this  
5  
Total is 9
```

```
value of i:5
```

```
2
0
0
0

4
0
```



ONCE AGAIN, THIS IS IDENTIFYING THE FIRST ELEMENT (AS ABOVE) WHICH BRINGS TOTAL to 9. HOWEVER IT IS NOT FINISHING THE ENTIRE OUTPUT TO SCREEN AT END.

PLEASE NOTE ABOVE VALIDATIONS OF SYSTEM.OUT.PRINTLN WERE PERFORMED TO TRY AND FIND OUT THIS ROOT CAUSE

```
value of i:1
store this
8
Total is 9
```

```
value of i:8
store this
9
store this
4
store this
5
```

```
value of i:9
store this
4
store this
5
```

```
value of i:4
store this
5
Total is 9
```

value of i:5

1
8
0
0
0

←

This shows all the numbers in the array. This is consistent with the first total of 9 above.

4
0

←

This fails to recognize number in the array. Instead it shows 0. This is not consistent with output on screen above

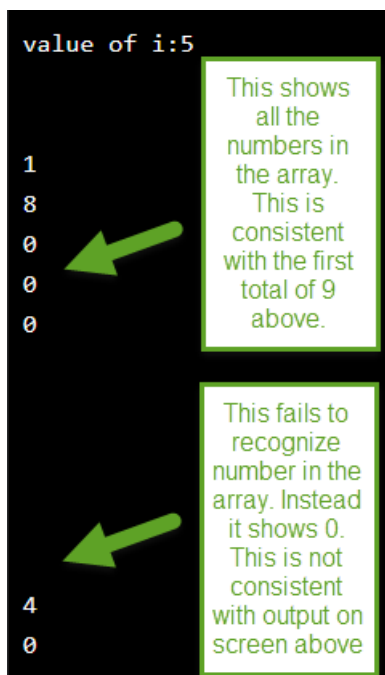
ANOTHER SCENARIO HAS BEEN EXPLORED:

```
value of i:1
store this
8
Total is 9

value of i:8
store this
9
store this
4
store this
5

value of i:9
store this
4
store this
5

value of i:4
store this
5
Total is 9
```



ISSUE ALSO PERSISTS IF THERE IS ONE INSTANCE OF CONTIGUOUS 9 IN THE LOOP

CODE

```
/*
Online Java - IDE, Code Editor, Compiler

Online Java is a quick and easy tool that helps you to build, compile, test your programs online.
*/
import java.util.ArrayList;

// also need scenario if

public class Main
{
    public static void main(String[] args) {
        System.out.println("Welcome to Online IDE!! Happy Coding :)");

        int[] nums = new int[]{0,8,1,7,5};
        int k=9;
        int [][] Total = new int[nums.length][nums.length];
        int m=0;
        int TotalofNine=0;
        boolean [] booleanTotalofNine = new boolean [nums.length];
        int sumNumbers;

        for (int i=0; i<nums.length;i++)
        {
            System.out.println("  \n");
```

```

System.out.println("value of i:" + nums[i]);
booleanTotalofNine[i]=false;
sumNumbers=0;
sumNumbers=nums[i]; //the sum would be equal to first number

for (int j=i+1;j<nums.length;j++)
{
    m=0;
    Total[i][m]=nums[j]; // first position in array is number in array.
    m++;

    System.out.println("store this");

    if (j!=nums.length)
    {
        sumNumbers=sumNumbers+nums[j];

        Total[i][m]=nums[j]; // starting from second position in 2d array, it will store j
        System.out.println(Total[i][m]);
        m++;

        if (sumNumbers==k && m>1)
        {
            booleanTotalofNine[i]=true;
            System.out.println("Total is 9");
            System.out.println("\n");

            j=nums.length;

        }

    }

}

for (int i=0;i<nums.length;i++)
{
    System.out.println("\n");

    if (booleanTotalofNine[i]==true)
    {
        //System.out.println("this is value when sum is 9: " + nums[i]);
        System.out.println(nums[i]);

        for (int j=i+1;j<nums.length;j++)
        {
            System.out.println(Total[i][j]);

        }

    }

    //System.out.println("\n");
}

```

