## JAVA ASSIGNMENT

ANVESHA RAIKWAR 21070126017 AIML A1

## **QUESTION:-**

Part1: Write a Java program that declares two arrays named 'even' and 'odd'. Accept numbers from the user and move them to respective arrays depending on whether they are even or odd.

Part2: Implement a java function that finds 2 neighbouring numbers in an array with the smallest distance to each. The function should return the index of the 1st number.

Part 3: Write a Java program to convert an array into ArrayList and vice versa.

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| Sample | ArmyCvenOdd Java | Smallest_distance | S
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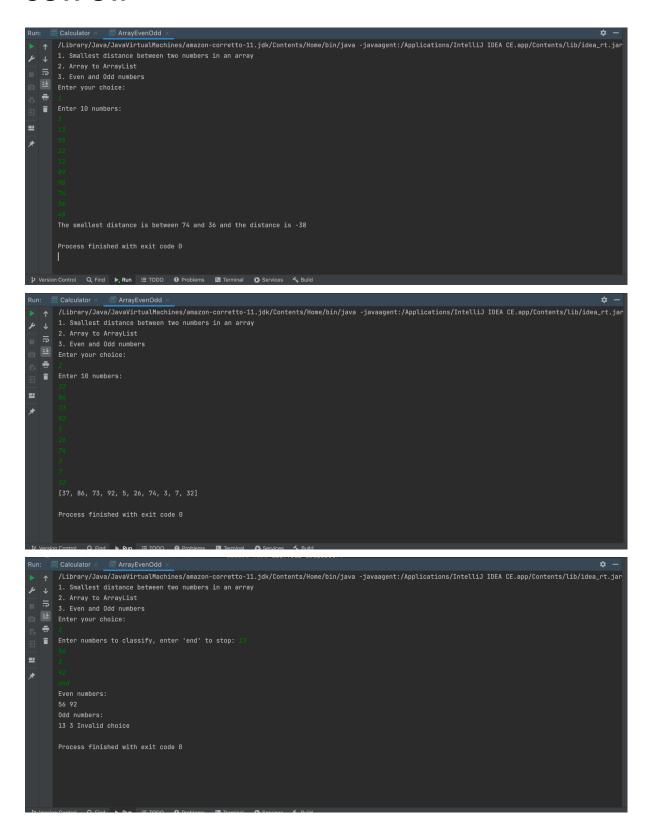
```
int choice = sc1.nextInt();
switch(choice)
                                          // Create two arrays odd and even
int[] odd = new int[10];
int[] even = new int[10];
                                           Scanner sc = new Scanner(System.in);
System.out.print("Enter numbers to classify, enter 'end' to stop: ");
while(true)
                                                       int num = Integer.parseInt(input);
if(num%2 == 0)
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for(int i=0; i<even.length; i++)
{</pre>
    System.out.println();

System.out.println("Odd numbers: ");

For(int i=8; i<odd.length; i++)

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```

## **OUTPUT: -**



## **GITHUB LINK:-**

https://github.com/anvesha31/Java\_assignments/blob/b20d007b37b15c1784d64346fa0571539d8a9d15/Assignment%202