1. **Given an array of integer elements and we have to remove prime numbers using C program.**

**Input:**

Array elements are:

100, 200, 31, 13, 97, 10, 20, 11

**Output:**

Array elements after removing prime numbers:

100

200

10

20

1. Given an array **A** consist of **N** number of elements.If the sum of the element is **"even"** print the **sum** of the element.If the sum of the element is**"odd"** print the **product** of the element.

**Input Format**

The first line of input contains the number of elements **N**

The second line of input represents the elements **A1 , A2 , A3 . . . . . AN**

**Output Format**

Prints the desired result

**Sample Input**

5

1 2 3 4 4

**Sample Output**

14

**Sample Input**

4

10 20 52 5

**Sample Output**

52000

1. Write a program in C to find a pair with a given sum in the array.

**Input Format**

The first line of the input consists of the value of n.

The next input is the array elements.

**Output Format**

The output prints the index of a pair of elements with the given sum.

**Sample Input**

6

6 8 4 -5 7 9

15

**Sample Output**

Pair found at index 0 and 5

**Sample Input**

6

6 8 4 -5 7 9

18

**Sample Output**

Pair not found

1. **Write a C program to find the total number of non-repeated items and print the non-repeated elements of an array**

**Input Format**

The first line of the input consists of the value of n.

The next input is the array elements.

**Output Format**

The output prints the non-repeatbale

**Sample Input**

8

**1**, **2**, **3**, **2**, **2**, **5**, **6**, **1**

**Sample Output**

The number of non-repeatable items: 3

The non-repeatable items are 3,5,6

**Sample Input**

6

6 8 4 -5 7 9

**Sample Output**

Non-repeatble items not found

1. Write a function SPECIAL\_NUMBER to perform the following processing: A input line contains a three-digit positive integer value *posint*. If the rightmost digit is equal to the sum of the other two digits, that number is to be shown on a separate line along with the message THIS IS A SPECIAL NUMBER. If not, then print THIS IS NOT A SPECIAL NUMBER. Thus, 246 and 729 are special numbers while 264 and 381 are not**.**

**Input Format**

The input consists of a three-digit number.

**Output Format**

The output prints whether the number is a special number or not.

**Sample Input**

246

**Sample Output**

246 is a special number

**Sample Input**

264

**Sample Output**

1. not a special number
2. Write a program in C to move all zeroes to the end of a given array.

**Input Format**

The first line of the input consists of the value of n.

The next input is the array elements.

**Output Format**

The output prints the array after moving all the zeros to the end.

**Sample Input**

8

1 2 0 4 3 0 5 0

**Sample Output**

1 2 4 3 5 0 0 0

1. **Write a C Program to split an array and add the first half after the second half of the array**

**Input Format**

The first line of the input consists of the value of n.

The second line are the inputs of the array.

The third line the input mentioning the position to split

**Output Format**

The output prints the array after moving all the zeros to the end.

**Sample Input**

10

**0**, **1**, **2**, **3**, **4**, **5**, **6**, **7**, **8**, **9**

3

**Sample Output**

3 4 5 6 7 8 9 0 1 2