Problem 01

Write a C program to take one positive integer **N**, the size of an array as input. Then take an integer array of size **N** as input and show output in reverse order.

Sample Input:

5

1 20 3 10 5

Sample Output:

5 10 3 20 1

Problem 02

You will be given an positive integer **N** and after that an integer array of size **N**. Then you will be given Q which refers to queries. For each query you will be given **i** and **v** where i refers to the index and v to value. You need to add the value to that index. After all of the queries print the values

Sample Input:

5

1 2 3 4 5

3

0 10

2 5

4 5

Sample Output:

11 2 8 4 10

Problem 03

Write a C program to take one positive integer **N**, the size of an array as input. Then take an integer array of size **N** as input and tell if the array contains only one unique value or not. Print “YES” or “NO”.

Sample Input 1:

5

2 4 2 2 4

Sample Output 1:

NO

Sample Input 2:

5

4 4 4 4 4

Sample Output 2:

YES

Problem 04

Write a C program to take one positive integer **N**, the size of an array as input. Then take an integer array of size **N** as input. You need to print the values and for every value, you need to print other values than that. See the samples for more clarification.

Hints: Use nested loop

Sample Input:

5

1 2 3 4 5

Sample Output:

1 - 2 3 4 5

2 - 1 3 4 5

3 - 1 2 4 5

4 - 1 2 3 5

5 - 1 2 3 4

Problem 05

Write a C program to take one positive integer **N**, the size of an array of unique values as input. Then take an integer array of size **N** as input. After that take another integer **target**. You need to tell if you can make target by adding any two different values from that array.

Hint: Use nested loop

Sample Input:

5

2 4 3 6 8

7

Sample Output:

YES

Sample Input:

5

2 4 3 1 8

8

Sample Output:

NO

Problem 06

Write a C program to take a non-negative integer **N** and print the pattern as shown below

For N=5, the pattern should be

```
*
**
***
****
*****
```

Sample Input:

4

Sample Output:

```
*
**
***
****
```