Print It

Problem Statement

You will be given a positive integer **N**. You need to print **"I Love Assignment"** **N** times without the quotation mark.

Input Format

- Input will contain **N**.

Constraints

1. 1 <= **N** <= 10^5

Output Format

- Output **"I Love Assignment"** **N** times and don't forget to print new line after it.

Sample Input 0

5

Sample Output 0

I Love Assignment
I Love Assignment
I Love Assignment
I Love Assignment

I Love Assignment

```c
#include <stdio.h>
#include <string.h>
#include <math.h>
#include <stdlib.h>

int main() {
  int n,i;
    scanf("%d",&n);
    for(i=0; i<n; i++)
    {
        printf("I Love Assignment\n");
    }
    return 0;
}
```

Can You Do It?

Problem Statement

You will be given an integer **N**. If **N** is a negative number or zero print from **N to 1**, otherwise print from **1 to N**.

Input Format

- Input will contain **N**.

Constraints

1. $-10^5 <= $ **N** $ <= 10^5$

Output Format

- Output as asked in the question and don't forget to put a **space** between the values.

Sample Input 0

-5

Sample Output 0

-5 -4 -3 -2 -1 0 1

Sample Input 1

5

Sample Output 1

1 2 3 4 5

Sample Input 2

0

Sample Output 2

0 1

```c
#include <stdio.h>
#include <string.h>
#include <math.h>
#include <stdlib.h>

int main() {
    int n,i;
    scanf("%d",&n);
    if(n<=0){
        for(i=n; i<=1; i++){
            printf("%d ", i);
        }
    }else{
        for(i=1; i<=n; i++){
            printf("%d ", i);
        }
    }
    return 0;
}
```

Even and Odd

Problem Statement

You will be given a positive integer **N** and N numbers after that. You need to tell the **sum of even numbers** and the **sum of odd numbers** separated by a space.

Input Format

- First line will contain **N**.
- Second line will contain N values named **V**.

Constraints

1. $1 <= N <= 10^5$
2. $1 <= V <= 100$

Output Format

- Output the sum of even numbers first, then sum of odd numbers.

Sample Input 0

```
5
5 1 4 7 2
```

Sample Output 0

```
6 13
```

Sample Input 1

```
5
2 4 6 8 10
```

Sample Output 1

```
30 0
```

Sample Input 2

```
5
1 3 5 7 9
```
Sample Output 2

```
0 25
```

```c
#include <stdio.h>

int main() {
    int N, num, even_sum = 0, odd_sum = 0;
    scanf("%d", &N);
    for (int i = 0; i < N; i++) {
        scanf("%d", &num);
        if (num % 2 == 0) {
            even_sum += num;
        } else {
            odd_sum += num;
        }
    }
    printf("%d %d", even_sum, odd_sum);

    return 0;
}
```

Update and Print

Problem Statement

You will given a positive integer **N** and an array **A** of size N. Also you will be given two values **X** and **V**. You need to change the value of **X'th** index to **V** and then print the array in reverse way.

Note: Index starts from 0.

Input Format

- First line will contain **N**.

- Second line will contain the array **A**.
- Third line will contain **X** and **V**.

Constraints

1. 1 <= **N** <= 10^5
2. 1 <= **A[i]** <= 100 ; where A[i] are the values of array **A**.
3. 0 <= **X** < N
4. 1 <= **V** <= 100

Output Format

- Output the final array in reverse order.

Sample Input 0

```
5
10 20 30 40 50
1 100
```

Sample Output 0

```
50 40 30 100 10
```

Explanation 0

After updating the value of 1st index, the array will become 10 100 30 40 50.
The reverse order will be 50 40 30 100 10.

Sample Input 1

5
10 20 30 40 50
4 10

Sample Output 1

10 40 30 20 10

```
#include <stdio.h>

int main() {
    int n, a[100000], x, v;
    scanf("%d", &n);
    for (int i = 0; i < n; i++) {
        scanf("%d", &a[i]);
    }
    scanf("%d%d", &x, &v);
    a[x] = v;
    for (int i = n - 1; i >= 0; i--) {
        printf("%d ", a[i]);
    }
    printf("\n");

    return 0;
}
```

Reverse and Even

Problem Statement

You will be given a positive integer **N** and an array **A** of size N. Suppose, the index starts from **0**, then you need to print all the values at **even indexes** in **reverse** way.

For example:

If the input is

```
5
10 20 30 40 50
```

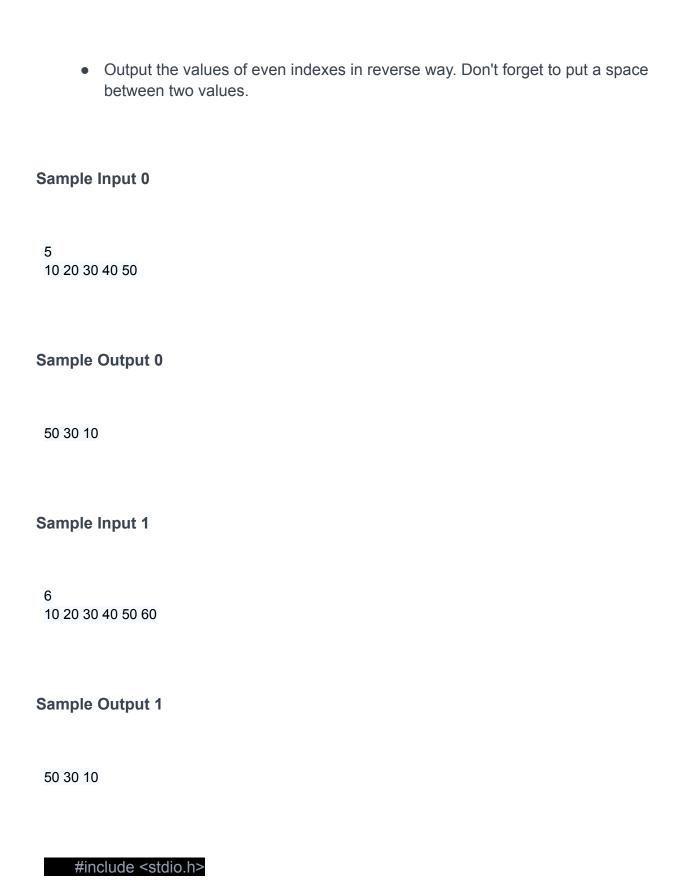You need to print **50 30 10** as their indexes are **4 2 0** respectively.

Input Format

- First line will contain **N**.
- Second line will contain the array **A**.

Constraints

1. 1 <= **N** <= 10^5
2. 1 <= **A[i]** <= 100 ; where A[i] are the values of array **A**.

Output Format

- Output the values of even indexes in reverse way. Don't forget to put a space between two values.

Sample Input 0

```
5
10 20 30 40 50
```

Sample Output 0

```
50 30 10
```

Sample Input 1

```
6
10 20 30 40 50 60
```

Sample Output 1

```
50 30 10
```

```c
    #include <stdio.h>

int main() {
```

```c
    int n, i;
    scanf("%d", &n);
    int a[n];
    for (i = 0; i < n; i++) {
        scanf("%d", &a[i]);
    }
    for (i = n - 1; i >= 0; i -= 2) {
        printf("%d ", a[i]);
    }
    printf("\n");
    return 0;
}
```