

## Problem 1

### [Searching](#)

[https://codeforces.com/group/MWSDmqGsZm/contest/219774/submission/316060507](#)

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**General**

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
316060507	Practice: alaaabdelhay22	<a href="#">219774B - 23</a>	GNU C11	Accepted	93 ms	452 KB	2025-04-18 11:27:45	2025-04-18 11:27:45	★	<a href="#">Compare</a>

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```
#include <stdio.h>

int main() {
    int N, X, i, found = -1;
    scanf("%d", &N);

    int A[N];
    for (i = 0; i < N; i++) {
        scanf("%d", &A[i]);
    }

    scanf("%d", &X);

    for (i = 0; i < N; i++) {
        if (A[i] == X) {
            found = i;
            break;
        }
    }

    printf("%d\n", found);
    return 0;
}
```

## Problem 2

### [Lowest Number](#)

[https://codeforces.com/group/MWSDmqGsZm/contest/219774/submission/316061254](#)

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#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
316061254	Practice: alaaabdelhay22	<a href="#">219774E - 17</a>	GNU C11	Accepted	61 ms	80 KB	2025-04-18 11:34:55	2025-04-18 11:34:55	★	<a href="#">Compare</a>

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```
#include <stdio.h>

int main() {
    int n;
    scanf("%d", &n);

    int a[n];
    for (int i = 0; i < n; i++) {
        scanf("%d", &a[i]);
    }

    int min_value = a[0];
    int min_pos = 1;

    for (int i = 1; i < n; i++) {
        if (a[i] < min_value) {
            min_value = a[i];
            min_pos = i + 1;
        }
    }

    printf("%d %d\n", min_value, min_pos);
    return 0;
}
```

## Problem 3

### Sorting

<https://codeforces.com/group/MWSDmqGsZm/contest/219774/submission/316061622>

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#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
316061622	Practice: alaaabdelhay22	<a href="#">219774H</a> - 15	GNU C11	Accepted	61 ms	88 KB	2025-04-18 11:38:20	2025-04-18 11:38:20	☆	<a href="#">Compare</a>

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```
#include <stdio.h>

int main() {
    int n;
    scanf("%d", &n);

    int a[n];
    for (int i = 0; i < n; i++) {
        scanf("%d", &a[i]);
    }

    for (int i = 0; i < n - 1; i++) {
        for (int j = 0; j < n - i - 1; j++) {
            if (a[j] > a[j + 1]) {
                int temp = a[j];
                a[j] = a[j + 1];
                a[j + 1] = temp;
            }
        }
    }

    for (int i = 0; i < n; i++) {
        printf("%d ", a[i]);
    }

    return 0;
}
```

## Problem 5

### Matrix

<https://codeforces.com/group/MWSDmqGsZm/contest/219774/submission/316063522>

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#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
316063522	Practice: alaaabdelhay22	<a href="#">219774I</a> - 12	GNU C11	Accepted	77 ms	124 KB	2025-04-18 11:55:48	2025-04-18 11:55:48	☆	<a href="#">Compare</a>

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```
#include <stdio.h>
#include <stdlib.h>

int main() {
    int N;
    scanf("%d", &N);

    int matrix[100][100];
    int primary_sum = 0, secondary_sum = 0;

    for (int i = 0; i < N; i++) {
        for (int j = 0; j < N; j++) {
            scanf("%d", &matrix[i][j]);
            if (i == j)
                primary_sum += matrix[i][j];
            if (i + j == N - 1)
                secondary_sum += matrix[i][j];
        }
    }

    int diff = abs(primary_sum - secondary_sum);
    printf("%d\n", diff);

    return 0;
}
```

## Problem 6

### Mirror Array

<https://codeforces.com/group/MWSDmqGsZm/contest/219774/submission/316063954>

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#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
316063954	Practice: alaaabdelhay22	<a href="#">219774W - 7</a>	GNU C11	Accepted	77 ms	96 KB	2025-04-18 12:00:06	2025-04-18 12:00:06	☆	Compare

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```
#include <stdio.h>

int main() {
    int N, M;
    scanf("%d %d", &N, &M);

    int array[N][M];

    for (int i = 0; i < N; i++) {
        for (int j = 0; j < M; j++) {
            scanf("%d", &array[i][j]);
        }
    }

    for (int i = 0; i < N; i++) {
        for (int j = M - 1; j >= 0; j--) {
            printf("%d ", array[i][j]);
        }
        printf("\n");
    }

    return 0;
}
```

## Problem 7

### Max Subsequence

<https://codeforces.com/group/MWSDmqGsZm/contest/219856/submission/316064364>

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316064364	Practice: alaaabdelhay22	<a href="#">219856N - 17</a>	GNU C11	Accepted	93 ms	208 KB	2025-04-18 12:03:49	2025-04-18 12:03:49	☆	Compare

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```
#include <stdio.h>

int max_subsequence_length(int N, char S[]) {
    char prev_char = '\0';
    int subsequence_length = 0;

    for (int i = 0; i < N; i++) {
        if (S[i] != prev_char) {
            subsequence_length++;
            prev_char = S[i];
        }
    }

    return subsequence_length;
}

int main() {
    int N;
    scanf("%d", &N);
    char S[N + 1];
    scanf("%s", S);

    printf("%d\n", max_subsequence_length(N, S));

    return 0;
}
```

## Problem 8

### Count Words

<https://codeforces.com/group/MWSDmqGsZm/contest/219856/submission/316064714>

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#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
316064714	Practice: alaabdelhay22	<a href="#">219856P - 15</a>	GNU C11	Accepted	77 ms	1064 KB	2025-04-18 12:07:05	2025-04-18 12:07:05	☆	<a href="#">Compare</a>

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```
#include <stdio.h>
#include <ctype.h>

int main() {
    char S[1000001];
    fgets(S, sizeof(S), stdin);

    int count = 0;
    int i = 0;

    while (S[i] != '\0') {
        if (isalpha(S[i])) {
            count++;
            while (isalpha(S[i])) {
                i++;
            }
        } else {
            i++;
        }
    }

    printf("%d\n", count);
    return 0;
}
```

## Problem 9

### Lucky Array

<https://codeforces.com/group/MWSDmqGsZm/contest/219774/submission/316065142>

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316065142	Practice: alaabdelhay22	<a href="#">219774I - 16</a>	GNU C11	Accepted	62 ms	132 KB	2025-04-18 12:11:37	2025-04-18 12:11:37	☆	<a href="#">Compare</a>

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```
#include <stdio.h>

int main() {
    int N;
    scanf("%d", &N);

    int A[N];
    for (int i = 0; i < N; i++) {
        scanf("%d", &A[i]);
    }

    int min = A[0];
    for (int i = 1; i < N; i++) {
        if (A[i] < min) {
            min = A[i];
        }
    }

    int count = 0;
    for (int i = 0; i < N; i++) {
        if (A[i] == min) {
            count++;
        }
    }

    printf("%d\n", count);
}
```