

Problem 1: Find the Minimum and Maximum Element in an Array

Code:

```
#include <stdio.h>

int main() {
    int n, i;
    printf("Enter number of elements in the array: ");
    scanf("%d", &n);

    int arr[n];

    printf("Enter the elements of the array:\n");
    for(i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }

    int min = arr[0];
    int max = arr[0];
    for(i = 1; i < n; i++) {
        if(arr[i] < min) {
            min = arr[i];
        }
        if(arr[i] > max) {
            max = arr[i];
        }
    }

    printf("Minimum element: %d\n", min);
    printf("Maximum element: %d\n", max);
    return 0; }
```