Problem 4: Sort an Array

Code:

```c
#include <stdio.h>
int main() {
    int n, i, j, temp;
    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]);
    }
    for(i = 0; i < n-1; i++) {
        for(j = 0; j < n-i-1; j++) {
            if(arr[j] > arr[j+1]) {
                temp = arr[j];
                arr[j] = arr[j+1];
                arr[j+1] = temp;
            }
        }
    }
    printf("Sorted array:\n");
    for(i = 0; i < n; i++) {
        printf("%d ", arr[i]);
    } return 0;  }
```