Problem 7: Sort the Array of 0s, 1s, and 2s

Code:

```
#include <stdio.h>
int main() {
  int n;
    printf("Enter number of elements in the array (0s, 1s, 2s only): ");
    scanf("%d", &n);
  int arr[n];
    printf("Enter the elements of the array (0, 1, 2):\n");
  for(int i = 0; i < n; i++) {
   scanf("%d", &arr[i]);
   }
  int count[3] = \{0\};
  for(int i = 0; i < n; i++) {
     count[arr[i]]++;
}
  int index = 0;
  for(int i = 0; i < 3; i++) {
     for(int j = 0; j < count[i]; j++) {
        arr[index++] = i; // Fill the array with 0s, 1s, and 2s
     }
   } printf("Sorted array:\n");
  for(int i = 0; i < n; i++) {
    printf("%d", arr[i]);
   } return 0;}
```