Array Problem 7:

Sort the array of 0s, 1s, 2s:

```
#include <stdio.h>
int main()
{
  int n;
  printf("Enter the size of array: ");
  scanf("%d", &n);
  int arr[100];
  printf("Enter the elements of array: ");
  for (int i = 0; i < n; i++) {
     scanf("%d", &arr[i]);
  }
  int count0 = 0, count1 = 0, count2 = 0;
  for (int i = 0; i < n; i++) {
     if (arr[i] == 0) count0++;
     else if (arr[i] == 1) count1++;
     else if (arr[i] == 2) count2++;
   }
  for (int i = 0; i < count0; i++) arr[i] = 0;
  for (int i = count0; i < count0 + count1; i++) arr[i] = 1;
```

```
for (int i = count0 + count1; i < count0+count1+count2; i++) arr[i] =
2;
for (int i = 0; i < count0+count1+count2; i++) {
    printf("%d ", arr[i]);
}
return 0;
}</pre>
```