Program :

```
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <sys/wait.h>
#include <string.h>
#define MAX 20
int a[1000];

void sortArray(int *arr, int n) {
   for (int i = 0; i < n - 1; i++) {
      for (int j = i + 1; j < n; j++) {
         if (arr[i] > arr[j]) {
            int temp = arr[i];
            arr[i] = arr[j];
            arr[j] = temp;
         }
      }
   }
}
int main() {
   int i, n, ele;
   char *str1[MAX];
   char str[5];

   // Accept array size
   printf("Enter the number of elements: ");
   scanf("%d", &n);
   // Accept array elements
   printf("Enter the elements: ");
   for (int i = 0; i < n; i++) {
      scanf("%d", &a[i]);
   }
   pid_t pid = fork();
   if (pid < 0) {
      printf("Error while creating new process....!!!!");
   }else if(pid >0){
         // Sort the array
       sortArray(a, n);
       printf("After Sorting");
       for(i = 0; i< n; i++){

                   printf("%d ", a[i]);
       }

      printf("\n");
       for(i = 0; i < MAX; i++){
                   str1[i] = NULL;
       }
       for(i =0; i < n; i++){
                   sprintf(str, "%d", a[i]);
                   str1[i] = strdup(str);
       }
       execve("./child", str1, NULL);
       printf("EXECVE not called... !!");
   }
   return 0;
```

```
}
```

Reverse :

```
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <sys/wait.h>
#include <string.h>
#define MAX 20
int a[1000];
int main(int argc, char *argv[]) {
   int i = 0;
   // Display the array in reverse order
   printf("Array in reverse order: ");
   for (int i = 0; i< argc; i++) {
      a[i] = atoi(argv[i]);
   }

   printf("Reversed Array ... ");
   for(i = argc -1; i >= 0; i--){
            printf("%d ", a[i]);
   }
   printf("\n");
   return 0;
}
```

Output :