

## Static Library:

```
(base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$ gcc -c main.c -o main_obj.o
(base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$ gcc -c func1.c -o func1_obj.o
(base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$ gcc -c func2.c -o func2_obj.o
(base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$ gcc -c func3.c -o func3_obj.o
(base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$ ar rcs -o static.a func1_obj.o func2_obj.o func3_obj.o
(base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$ gcc -o main_res1 main_obj.o -L. static.a
(base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$ ./main_res1
make the array
now printing the array
90 9 70 28 22 78 21 55 80 80
sort the array

print the array
9 21 22 28 55 70 78 80 80 90
print array after shuffle again80 9 78 70 90 22 80 28 55 21 (base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$
```

## Dynamic library:

```
(base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$ gcc *.o -shared -o dynamic.so
(base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$ gcc -o main_res2 main_obj.o -L. dynamic.so
(base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$ sudo cp dynamic.so /usr/lib/
(base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$ ./main_res2
make the array
now printing the array
90 9 70 28 22 78 21 55 80 80
sort the array

print the array
9 21 22 28 55 70 78 80 80 90
print array after shuffle again80 9 78 70 90 22 80 28 55 21 (base) student@al-HP-ProDesk-600-G4-MT:~/422162/unix/stat_dyn Lib/lab$
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