

Lab 7

Ex1

```
[mmoustaf@gc112m38 L7]$ make sortTest
gcc -g -Wall -Wshadow -c sortTest.c
gcc -g -Wall -Wshadow sortTest.o -o sortTest
```

```
[mmoustaf@gc112m38 L7]$ ./sortTest
Array before sorting:
69 6 9 96 4 1 52 100
Array after sorting:
1 4 6 9 52 69 96 100
```

Ex2

```
[mmoustaf@gc112m38 L7]$ make stringListSortTest
gcc -g -Wall -Wshadow -c stringListSortTest.c
gcc -g -Wall -Wshadow stringListSortTest.o -o stringListSortTest
```

```
[mmoustaf@gc112m38 L7]$ ./stringListSortTest my name is jeff
./stringListSortTest
is
jeff
my
name
```

Ex3

```
[mmoustaf@gc112m38 L7]$ make sortPoint2D
gcc -g -Wall -Wshadow -c sortPoint2D.c
gcc -g -Wall -Wshadow sortPoint2D.o -o sortPoint2D
```

```
[mmoustaf@gc112m38 L7]$ ./sortPoint2D 50  
(3500.521100,52159.536800)  
(13780.686200,4299.917000)  
(14979.831500,203866.437000)  
(27872.286200,23366.512300)  
(29470.256700,172695.642900)  
(30408.917200,130345.573600)  
(33646.578200,86102.153000)  
(41277.609100,142426.898000)  
(49170.540300,191850.265100)  
(51170.230500,208442.092500)  
(57266.033600,115912.650500)  
(59651.664900,118964.142100)  
(60841.378400,75689.853700)  
(61051.543400,158599.036400)  
(62817.501100,165647.804200)  
(71988.538600,164976.049200)  
(75239.275400,147461.239900)  
(78336.869000,110252.005900)  
(80575.084600,163262.172900)  
(85563.622600,174969.858600)  
(85948.442100,191454.491900)  
(93981.958200,200110.054500)  
(94394.773900,198421.001200)  
(94511.727600,188994.717800)  
(98290.699600,13549.728100)  
(102520.236200,135049.002700)  
(105996.139300,208901.845600)  
(110066.131300,143392.585700)  
(110151.392900,180197.980200)  
(112956.641300,18480.352600)  
(113117.622900,165337.737300)  
(114161.612400,8435.389500)  
(131563.402200,63572.305800)  
(136518.054000,154038.342600)  
(136913.306900,112589.816700)
```

(136913.306900,112589.816700)
(137434.404300,76031.375000)
(141154.967600,184399.336800)
(146934.809400,195629.753900)
(147717.108700,35642.680800)
(168169.277700,171463.691500)
(173457.519800,197359.432400)
(178069.578800,70939.358400)
(180428.938300,84693.088600)
(191175.995600,74924.187300)
(193747.708400,182733.632700)
(195774.779300,42423.833500)
(199889.881400,154823.336700)
(204489.776300,196751.392600)
(205399.993200,126409.506000)
(214517.406700,46870.313500)
[mmoustaf@gc112m38 L7]\$ █