Operating Systems
Preparatory Assignment - 1

COE18B045

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mycopy

```
santi@edith:~/OS/prep assignment 1$ ./mycopy
missing file operand
correct usage: ./cp <path-to-source-file> <path-to-destination-file>
santi@edith:~/OS/prep assignment 1$ ls
file1    intsort_fn_ptr  mycopy    progprepassignment.pdf  sort_fn_temp
intsort  makefile        myremove  sort                    src
santi@edith:~/OS/prep assignment 1$ ./mycopy file1 file2
copied file successfully
santi@edith:~/OS/prep assignment 1$ ls
file1  intsort         makefile  myremove                  sort          src
file2  intsort_fn_ptr  mycopy    progprepassignment.pdf  sort_fn_temp
santi@edith:~/OS/prep assignment 1$
```

myremove

```
santi@edith:~/OS/prep assignment 1$ ls
file1  intsort         makefile  myremove                  sort          src
file2  intsort_fn_ptr  mycopy    progprepassignment.pdf  sort_fn_temp
santi@edith:~/OS/prep assignment 1$ ./myremove file1 file2
file1 deleted successfully
file2 deleted successfully
santi@edith:~/OS/prep assignment 1$ ls
intsort         makefile  myremove                  sort          src
intsort_fn_ptr  mycopy    progprepassignment.pdf  sort_fn_temp
santi@edith:~/OS/prep assignment 1$
```

intsort

```
santi@edith:~/OS/prep assignment 1$ ./intsort
invalid input
correct usage: ./intsort <n> <q> <arr>
where
n: number of elements in array
q: 1 for ascending order and 0 for descending order
arr: n space seperated integers
santi@edith:~/OS/prep assignment 1$ ./intsort 5 1 3 7 10 5 4
3 4 5 7 10
santi@edith:~/OS/prep assignment 1$ ./intsort 5 0 3 7 10 5 4
10 7 5 4 3
santi@edith:~/OS/prep assignment 1$
```

intsort

```
santi@edith:~/OS/prep assignment 1$ ./intsort_fn_ptr
invalid input
correct usage: ./intsort_fn_ptr <n> <q> <arr>
where
n: number of elements in array
q: 1 for ascending order and 0 for descending order
arr: n space seperated integers
santi@edith:~/OS/prep assignment 1$ ./intsort_fn_ptr 5 1 5 9 11 1 6
1 5 6 9 11
santi@edith:~/OS/prep assignment 1$ ./intsort_fn_ptr 5 0 5 9 11 1 6
11 9 6 5 1
santi@edith:~/OS/prep assignment 1$
```

sort

```
santi@edith:~/OS/prep assignment 1$ ./sort
invalid input
correct usage: ./sort <n> <type> <q> <arr>
where
n: number of elements in array
type: i for integers, f for floating point numbers and c for characters
q: 1 for ascending order and 0 for descending order
arr: n space seperated integers,floating point numbers or charcters
santi@edith:~/OS/prep assignment 1$ ./sort 5 i 1 4 9 3 1 2
1 2 3 4 9
santi@edith:~/OS/prep assignment 1$ ./sort 5 i 0 4 9 3 1 2
9 4 3 2 1
santi@edith:~/OS/prep assignment 1$ ./sort 5 f 1 3.2 4.3 1.5 6.7 1.1
1.100000 1.500000 3.200000 4.300000 6.700000
santi@edith:~/OS/prep assignment 1$ ./sort 5 f 0 3.2 4.3 1.5 6.7 1.1
6.700000 4.300000 3.200000 1.500000 1.100000
santi@edith:~/OS/prep assignment 1$ ./sort 5 c 1 j e c v q
c e j q v
santi@edith:~/OS/prep assignment 1$ ./sort 5 c 0 j e c v q
v q j e c
santi@edith:~/OS/prep assignment 1$
```

sort_fn_temp

```
santi@edith:~/OS/prep assignment 1$ ./sort_fn_temp
invalid input
correct usage: ./sort_fn_temp <n> <type> <q> <arr>
where
n: number of elements in array
type: i for integers, f for floating point numbers and c for characters
q: 1 for ascending order and 0 for descending order
arr: n space seperated integers,floating point numbers or charcters
santi@edith:~/OS/prep assignment 1$ ./sort_fn_temp 5 i 1 5 3 9 15 4
3 4 5 9 15
santi@edith:~/OS/prep assignment 1$ ./sort_fn_temp 5 i 0 5 3 9 15 4
15 9 5 4 3
santi@edith:~/OS/prep assignment 1$ ./sort_fn_temp 5 f 1 3.5 1.7 8.3 6.4 1.1
1.1 1.7 3.5 6.4 8.3
santi@edith:~/OS/prep assignment 1$ ./sort_fn_temp 5 f 0 3.5 1.7 8.3 6.4 1.1
8.3 6.4 3.5 1.7 1.1
santi@edith:~/OS/prep assignment 1$ ./sort_fn_temp 5 c 1 a z d u x
a d u x z
santi@edith:~/OS/prep assignment 1$ ./sort_fn_temp 5 c 0 a z d u x
z x u d a
santi@edith:~/OS/prep assignment 1$
```