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TICKET T001698 DATE 20/11/2007
WAITER 1 ROOM 1 TABLE 6
QTY DESCRIPTION PRICE AMOUNT

1 King Fisher PT	2.75	2.75
1 King Fisher PT	2.75	2.75
2 Bitter PT	2.5	5
1 Seafood Biryani	9.99	9.99
1 Chappathi	1.48999	1.48999
1 Kerala Lamb Curry	8.28999	8.28999
Porotta	2.49	2.49
Coca Cola/ Diet Co	1.29	1.29
Sweet/Salty Lassi	2.25	2.25
1 Kerala Lamb Curry	8.28999	8.28999
Lemon Rice	3.49	3.49
Coca Cola/ Diet Co	1.29	1.29
Chicken Korma	7.99	7.99
Onion Rice	3.48	3.48
Onion Biryani	1.22	1.22
Chicken Korma	1.52	1.52
Coca Cola/ Diet Co	1.52	1.52

This is CS50.

recursion

On input of n elements:

If $n < 2$

Return.

Else:

Sort left half of elements.

Sort right half of elements.

Merge sorted halves.

[google.com/search?q=recursion](https://www.google.com/search?q=recursion)

```
void swap(int a, int b)
{
    int tmp = a;
    a = b;
    b = tmp;
}
```

GDB

run

break

print

display

info

next

step

continue

backtrace

frame

...

struct

file I/O

```
void swap(int* a, int* b)
{
    int tmp = *a;
    *a = *b;
    *b = tmp;
}
```

string

char*

to be continued...