

CSC108H Lecture 29

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Grocery Question

Here is a sample file. <blank> means that the line is blank.

```
a
b
<blank>
c
d
e
<blank>
f
```

- ▶ Our function takes an **open file**, not a `str`!
- ▶ Don't use `open` or `close` in the function
- ▶ For the above, it returns
[[`'a'`, `'b'`], [`'c'`, `'d'`, `'e'`], [`'f'`]]

ConcepTest

```
def build_grocery_list(f):  
    line = f.readline()  
    big = []  
    small = []  
    while line:  
        if line != '\n':  
            small.append(line.strip())  
        else:  
            big.append(small)  
            line = f.readline()  
    return big
```

What does the function return for the sample file we just discussed?

- ▶ A. [['a', 'b'], ['c', 'd', 'e'], ['f']]
- ▶ B. [['a', 'b'], ['c', 'd', 'e']]
- ▶ C.
 [['a', 'b', 'c', 'd', 'e', 'f'],
 ['a', 'b', 'c', 'd', 'e', 'f']]
- ▶ D. Nothing returned; infinite loop

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ConceptTest

(We didn't do this one in lecture, but still good practice.)

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def build_grocery_list(f):
    big = []
    line = f.readline()
    while line:
        small = []
        while line != '\n':
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