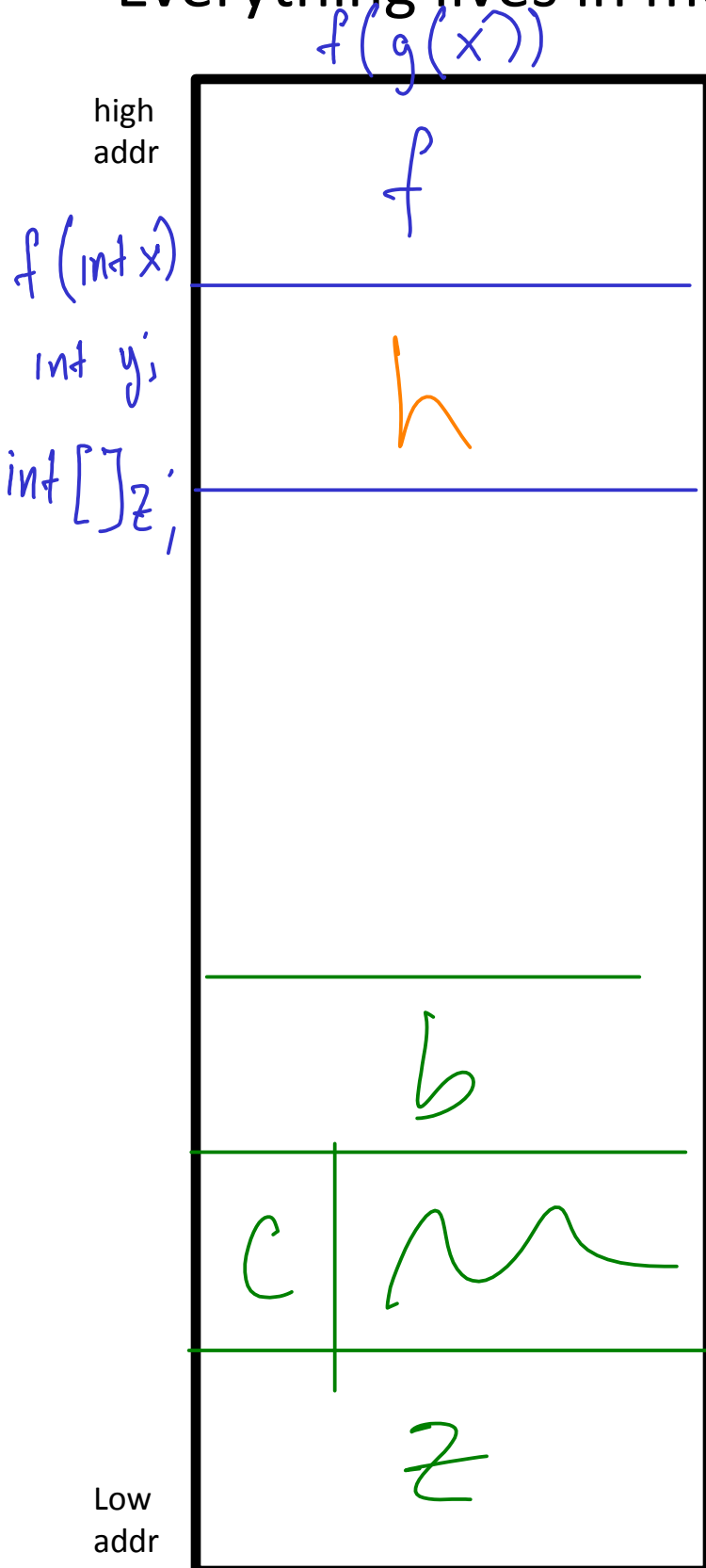


# Everything lives in memory, but where?



Name of this section of memory:

stack

What data is stored here?

function calls  
- args  
- local variables

x
y
z

```
list *foo (int n)
{
    if (n == 0)
        return NULL;

    list *new = alloc(list);
    new->data = n;
    new->next = foo(n - 1);

    return new;
}
```

Name of this section of memory:

heap

What data is stored here?

alloc  
alloc\_array