Source code from book

Stack

```
struct Stack {
    struct Link {
        void* data;
        Link* next;
        void initialize(void* dat, Link* nxt);
    }* head;
    void initialize();
    void push(void* dat);
    void* peek();
    void* pop();
    void cleanup();
};
```

Stash

```
void inflate(int increase);
};
```

Questions

Main data structure of Stack

The main data structure is *link stack*. There are a struct Link in struct Stack which defined data's content, next element and declared initialize function.

In addition, there are also some other functions in struct Stack to do

Differences in the data storage of Stash and Stack

some operatation of the stack or elements in satck.

In *Stack*, data storaged by an array of struct Link; In *Stash*, data storaged by isolated variable.

In *Stack*, data added by function push. OS will allocate a part of unused memory to storage the new data; In *Stash*, data added by function add. Data storaged in memory which was already allocated when Satsh was initalized. If there is no enough room to storage new data, inflate function will be called.