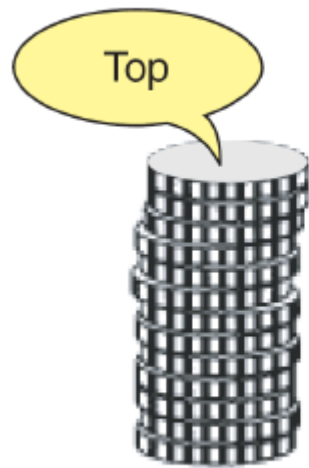


Stack

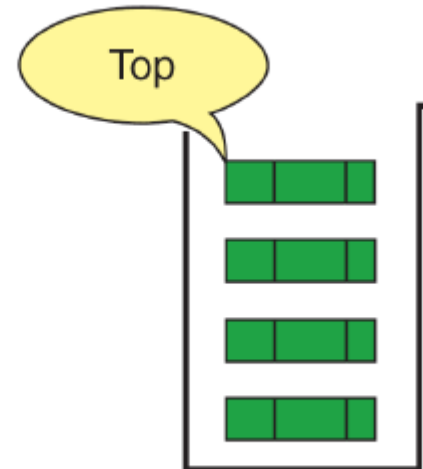
- Last in First out (LIFO)의 데이터 스트럭처
- Insertion과 deletion이 항상 한쪽 끝(Top)에서만 일어난다.
- Push : 새로운 것을 넣는 작업
- Pop : 젤 위에서 하나 빼는 작업



Stack of Coins



Stack of Books

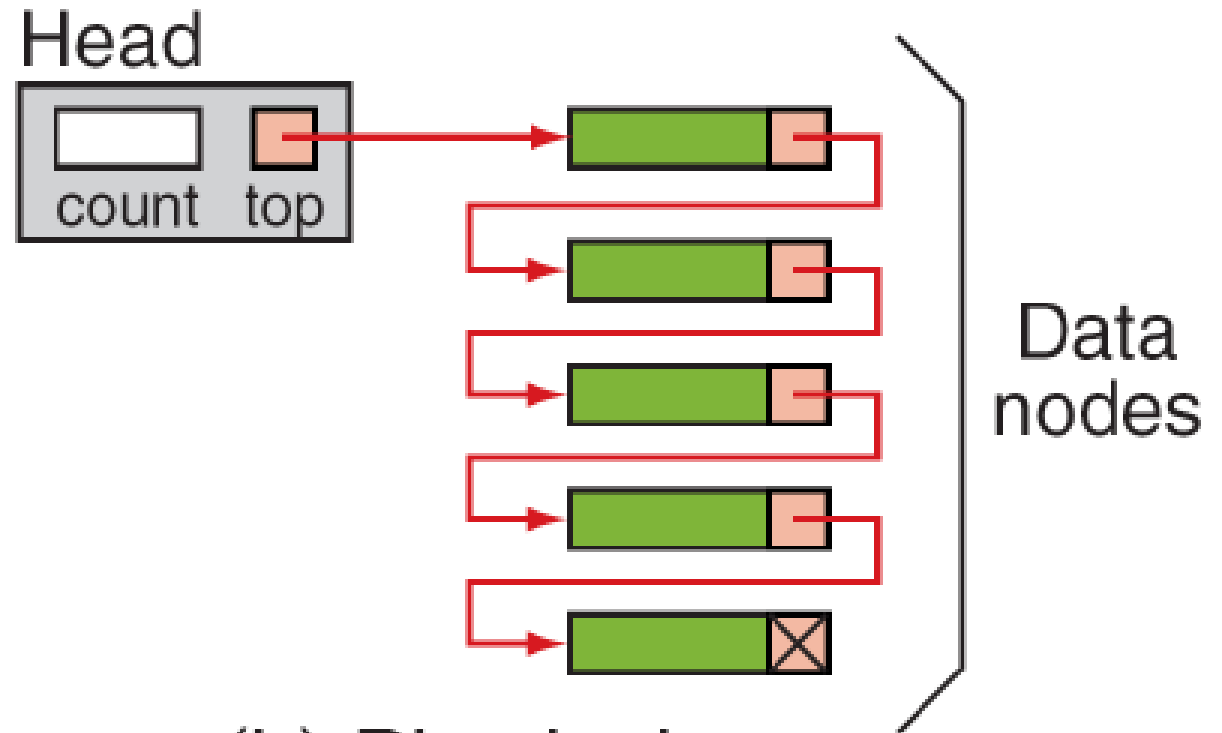


Computer Stack

Stack Implementations

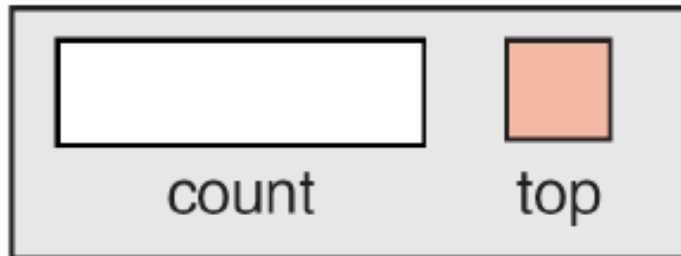


(a) Conceptual

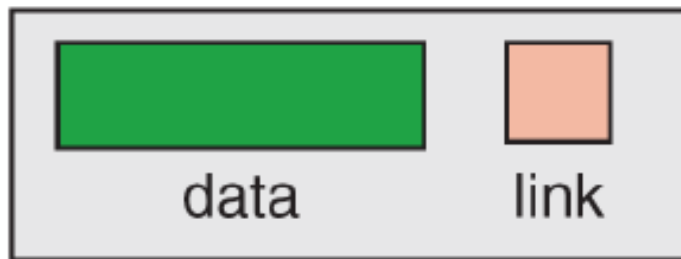


(b) Physical

Stack Data Structure



Stack Head Structure

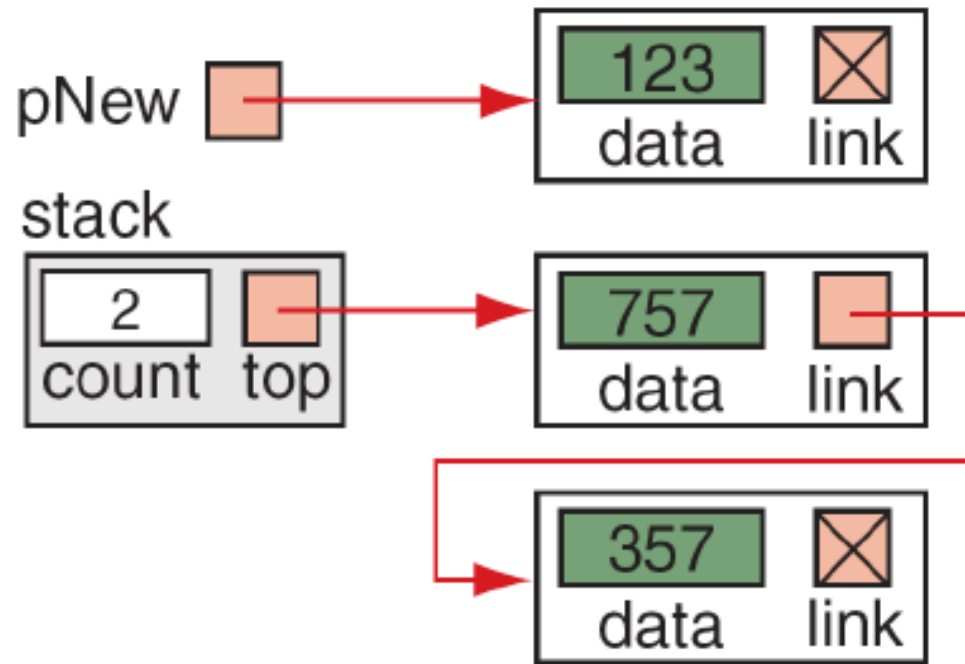


Stack Node Structure

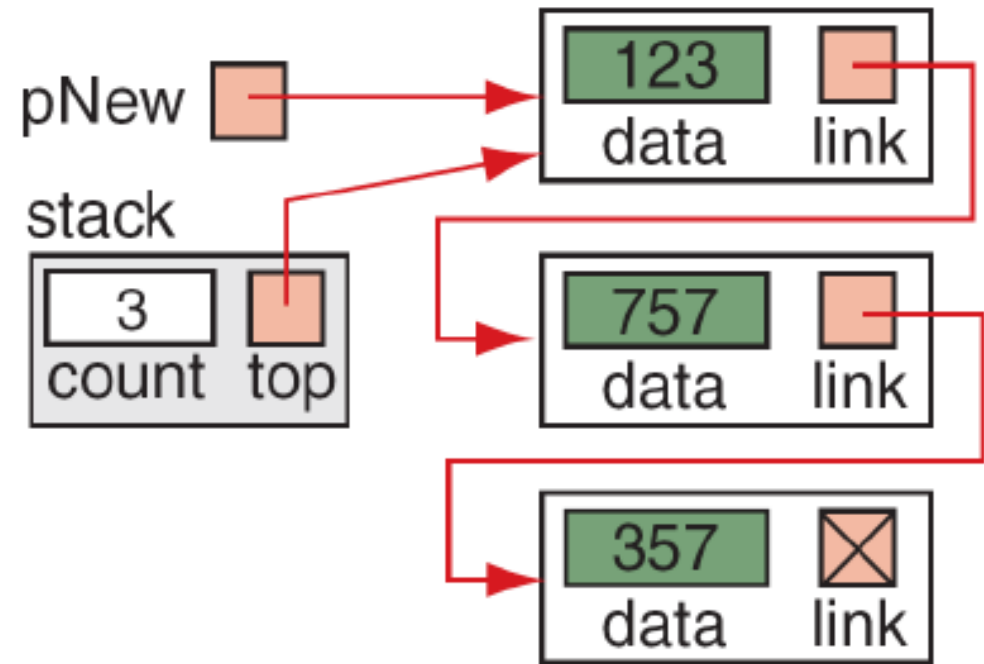
```
typedef struct
{
    int          count;
    struct node* top;
} STACK;

typedef struct node
{
    int          data;
    struct node* link;
} STACK_NODE;
```

Stack_Push



(a) Before



(b) After

Stack_Pop

