

Linked list

3가 .

```
void *calloc (size_t nmemb, size_t size);  
void *malloc (size_t size);  
void *realloc (void *ptr, size_t size);
```

NULL .

```
free (void *ptr);
```

가 .

, .

```
struct Ink_list *ptr;
```

```
prt = malloc(sizeof(struct Ink_list));
```

...

```
free(ptr);
```

```
ptr = NULL;
```

linked list 가

```
struct Ink_list * insert_front (struct Ink_list * original, int data)
{
    struct Ink_list *temp;

    temp = malloc(sizeof (struct Ink_list));
    if (temp) {
        temp->data = data;
        if (original) {
            temp -> next = original;
        }
        else {
            temp -> next = NULL;
        }
    }
    else {
        fprintf(stderr, "Memory Full\n");
    }

    return (temp);
}
```

linked list 가

```
struct Ink_list * insert_rear (struct Ink_list * original, int data)
{
    struct Ink_list *temp;
    struct Ink_list *ptr;

    temp = malloc(sizeof (struct Ink_list));
    if (temp) {
        temp->data = data;
        temp->next = NULL;

        if (original) {
            for (ptr = original; ptr -> next; ptr = ptr -> next);
            ptr -> next = temp;
        }
        else {
            return (temp);
        }
    }
    else {
        fprintf(stderr, "Memory Full\n");
    }
    return (original);
}
```

linked list 가

```
struct Ink_list * sorted_insert (struct Ink_list * original, int data)
{
    struct Ink_list *temp;
    struct Ink_list *pre_ptr, *ptr;

    temp = malloc(sizeof (struct Ink_list));
    if (temp) {
        temp->data = data;

        if (original) {
            for (ptr = original; ptr && (data < ptr -> data);
                 pre_ptr = ptr, ptr = ptr -> next);
            if (ptr == original) { /* */
                temp->next = original;
                return (temp);
            }
            else if (!ptr) { /* */
                pre_ptr -> next = temp;
                temp->next = NULL;
                return (original);
            }
            else { /* */
                pre_ptr -> next = temp;
                temp -> next = ptr;
                return (original);
            }
        }
        else { /* */
            temp -> next = NULL;
            return (temp);
        }
    }
    else {
        fprintf(stderr, "Memory Full\n");
    }
    return (original);
}
```