

Linked List

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Chapter 1

Data Structure Index

1.1 Data Structures

Here are the data structures with brief descriptions:

node_type	5
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Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

prateek.c	7
userlist.c	
The utility file	7

Chapter 3

Data Structure Documentation

3.1 node_type Struct Reference

Data Fields

- char [data](#) [10]
Contains the username of the node.
- struct [node_type](#) * [link](#)
Contains the address of the next node in the list.

3.1.1 Detailed Description

Definition at line 23 of file `userlist.c`.

3.1.2 Field Documentation

3.1.2.1 char `data`[10]

Contains the username of the node.

Definition at line 31 of file `userlist.c`.

3.1.2.2 struct `node_type` * `link`

Contains the address of the next node in the list.

Definition at line 32 of file `userlist.c`.

The documentation for this struct was generated from the following file:

- [userlist.c](#)

Chapter 4

File Documentation

4.1 prateek.c File Reference

```
#include <stdio.h>
```

Functions

- int `main` ()

The main executing function.

4.1.1 Function Documentation

4.1.1.1 `main` ()

The main executing function.

Definition at line 10 of file prateek.c.

4.2 userlist.c File Reference

The utility file.

```
#include <malloc.h> #include <string.h>
```

Data Structures

- struct `node_type`

Typedefs

- typedef struct [node_type](#) s
A type definition for structure [node_type](#).

Functions

- struct [node_type](#) * [ord_ins](#) (char string[10], struct [node_type](#) *f)
Insert the username at correct place in Linked List.
- struct [node_type](#) * [del](#) (char str[10], struct [node_type](#) *f)
- void [display](#) (struct [node_type](#) *f)
Display the usernames in correct order.

4.2.1 Detailed Description

The utility file.

Definition in file [userlist.c](#).

4.2.2 Typedef Documentation

4.2.2.1 typedef struct [node_type](#) s

A type definition for structure [node_type](#).

4.2.3 Function Documentation

4.2.3.1 struct [node_type](#)* [del](#) (char *str*[10], struct [node_type](#) * *f*) [read]

Definition at line 88 of file [userlist.c](#).

4.2.3.2 [display](#) (struct [node_type](#) * *f*)

Display the usernames in correct order.

Parameters

<i>f</i>	The pointer to the first node of Linked List.
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Definition at line 112 of file [userlist.c](#).

4.2.3.3 struct [node_type](#) * [ord_ins](#) (char *string*[10], struct [node_type](#) * *f*) [read]

Insert the username at correct place in Linked List.

Parameters

<i>string[10]</i>	Username to be inserted in the list
<i>f</i>	The pointer to the first node of Linked List.

Definition at line 34 of file userlist.c.