

Typedef and Linked List

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typedef

- There is a keyword called typedef,
 - which you can use to give a type a new name.
 - Following is an example to define a term BYTE for onebyte numbers:

typedef unsigned char BYTE; BYTE b1, b2;

- By convention, uppercase letters are used for these definitions,
- to remind the user that the type name is really a symbolic abbreviation.



typedef

- You can use typedef to give a name to user defined data type as well.
- For example you can use typedef with structure to
 - define a new data type
 - Then use that data type to define structure variables directly.



Simple Example

• demo_typdef.c

```
#include <stdio.h>
#include <string.h>
typedef struct Books
   char title[50];
   char author[50];
   char subject[100];
   int book_id;
} Book;
int main()
   Book book;
   strcpy(book.title, "C Programming");
   strcpy(book.author, "Nuha Ali");
   strcpy( book.subject, "C Programming Tutorial");
   book.book id = 6495407;
   printf( "Book title : %s\n", book.title);
   printf( "Book author : %s\n", book.author);
   printf( "Book subject : %s\n", book.subject);
   printf( "Book book_id : %d\n", book.book_id);
   return 0;
```



C Linked List

Demo Code