

```
#include <stdio.h>

struct list {
    int data;
    struct list *next;
};

int main() {

    struct list *cursor;

    struct list a, b, c;

    printf("addr of a is: %p\n", &a);
    printf("addr of b is: %p\n", &b);
    printf("addr of c is: %p\n", &c);

    a.data = 'a';
    a.next = NULL;

    b.data = 'b';
    b.next = &c;

    c.data = 'c';
    c.next = NULL;

    cursor = &b;

    printf("cursor is at : %c\n", cursor->data);
    printf("cursor addr is : %p\n", cursor);
    printf("cursor->next addr is : %p\n", cursor->next);

    cursor = &a;

    printf("cursor is at : %c\n", cursor->data);
    printf("cursor addr is : %p\n", cursor);
    printf("cursor->next addr is : %p\n", cursor->next);

    a.next = &b;

    printf("cursor is at : %c\n", cursor->data);
    printf("cursor addr is : %p\n", cursor);
    printf("cursor->next addr is : %p\n", cursor->next);

    return 0;
}
```