

```

#include <stdio.h>
#include "linklist.h"

void test_get();
void test_insert();

int main(int argc, const char *argv[])
{
    linklist H;
    int value;

    H = list_create();
    if (H == NULL)
        return -1;

    printf("input:");
    while (1) {
        scanf("%d", &value);
        if (value == -1)
            break;
        list_tail_insert(H, value);
        printf("input:");
    }

    list_show(H);
    printf("H=%p\n", H);
    H = list_free(H);
    printf("H=%p\n", H);
    list_delete(H, -4); // 1 3 5 7
    list_show(H);

    list_free(H);

    return 0;
}

void test_get() {
    linklist H;
    int value;
    linklist p;

    H = list_create();
    if (H == NULL)
        return;

    printf("input:");
    while (1) {
        scanf("%d", &value);
        if (value == -1)
            break;
        list_tail_insert(H, value);
        printf("input:");
    }

    list_show(H);

    p = list_get(H, 4); // 1 3 5 7
    if (p != NULL)
        printf("value=%d\n", p->data);
}

```

```
}  
  
void test_insert() {  
    linklist H;  
    int value;  
  
    H = list_create();  
    if (H == NULL)  
        return;  
  
    printf("input:");  
    while (1) {  
        scanf("%d", &value);  
        if (value == -1)  
            break;  
        list_tail_insert(H, value);  
        printf("input:");  
    }  
  
    list_show(H);  
    list_insert(H, 100, 0); // 1 3 5 7  
    list_show(H);  
}
```