

```
#include "part3.h"

node_t* make_independent_copy_ll(node_t* head)
{
    node_t* Copy_linked_list;
    int size;

    if(head==NULL)
    {
        /* when end of the link list, assignment NULL*/
        Copy_linked_list=NULL;
    }

    else
    {
        /* Malloc for linked list*/
        Copy_linked_list=(node_t*)malloc(sizeof(node_t));

        /* Copy id,patient,name */
        Copy_linked_list->app_id = head->app_id;
        Copy_linked_list->patient_id = head->patient_id;
        strcpy(Copy_linked_list->name,head->name);

        /* Calculate size of the history */
        size=strlen(head->history);

        /* Malloc for history of linked list */
        Copy_linked_list->history=(char*)malloc(size*sizeof(char)+1);

        /* Copy history */
        strcpy(Copy_linked_list->history,head->history);

        /* Copy hour */
        Copy_linked_list->hour = head->hour;

        /* Recursive */
        Copy_linked_list->next = make_independent_copy_ll(head->next);
    }

    return Copy_linked_list;
}

/*#####*/
/*                      End of HW10_part3.c                      */
/*#####*/
```