```
#include <stdio.h>
#include <stdlib.h>
#include "linkstack.h"
linkstack stack_create() {
                                                                                                                                              malloc -> size of the #1

> ref the #1

continued to the property of the prope
                   linkstack s;
                   s = (linkstack)malloc(sizeof(listnode));
                   if (s == NULL) {
                                      printf("malloc failed\n");
                                      return NULL;
                   }
                   s->data = 0;
                   s->next = NULL;
                   return s;
}
int stack_push(linkstack s, data_t value) {
                   linkstack p;
                   if (s == NULL) {
                                      printf("s is NULL\n");
                                       return -1;
                   }
                   p = (linkstack)malloc(sizeof(listnode));
                   if (p == NULL) {
                                      printf("malloc failed\n");
                                       return -1;
                   }
                   p->data = value;
                   //p->next = NULL;
                   p->next = s->next;
                   s->next = p;
                   return 0;
}
                                                                                                                                                                                                                し笹表芸本た限了
data_t stack_pop(linkstack s) {
                   linkstack p;
                                                                                                                                                                                                                   不到 版)
                   data_t t;
                   p = s->next;
                   s->next = p->next;
                                                                                    -> S-ne = S-ne-ne (25/1966, 26/1961, free)
                   t = p->data;
                   free(p);
                   p =NULL;
                   return t;
}
int stack_empty(linkstack s) {
                   if (s == NULL) {
                                       printf("s is NULL\n");
                                       return -1;
                   }
```

-> return next null

```
return (s->next == NULL ? 1 : 0);
}
data_t stack_top(linkstack s) {
                                      ____ return s-ne-data
     return (s->next->data);
}
linkstack stack_free(linkstack s) {
     linkstack p;
     if (s == NULL) {
           printf("s is NULL\n");
           return NULL;
     }
     while (s != NULL) {
           3 - S->next;
printf("free:%d\n", p->data); → 原写的神堂、知神で、如神で 1 人名 1 NULL;
     }
     return NULL;
}
```