2) (5 pts) ALG (Linked Lists)

Suppose we have a linked list implemented with the structure below. We also have a function that takes in the head of the list and returns a node pointer.

```
typedef struct node {
    int num;
    struct node* next;
} node;

node* something(node* head) {
    node* t = head;
    if(t==NULL || t->next == NULL) return t;

while(t->next->next != NULL)
    t = t->next;

t->next->next = head;
head = t->next;
t->next = NULL;

return head;
}
```

A linked list, **mylist**, has the following nodes: 1 -> 9 -> 6 -> 7 -> 4 -> 8, where 1 is at the head node of the list.

a) What will be the status of the linked list (draw the full list) after following function call.

```
mylist = something(mylist);
```

Draw the updated linked list after the function call:

```
mylist ->
```

b) What general task does the function something perform? Please answer in a single sentence.