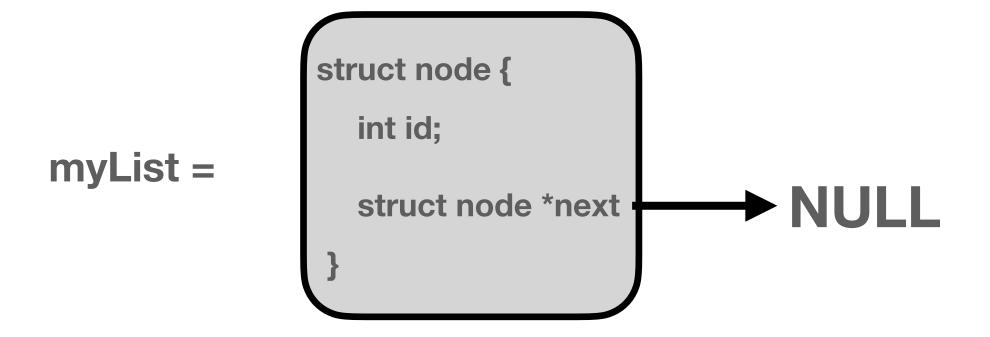
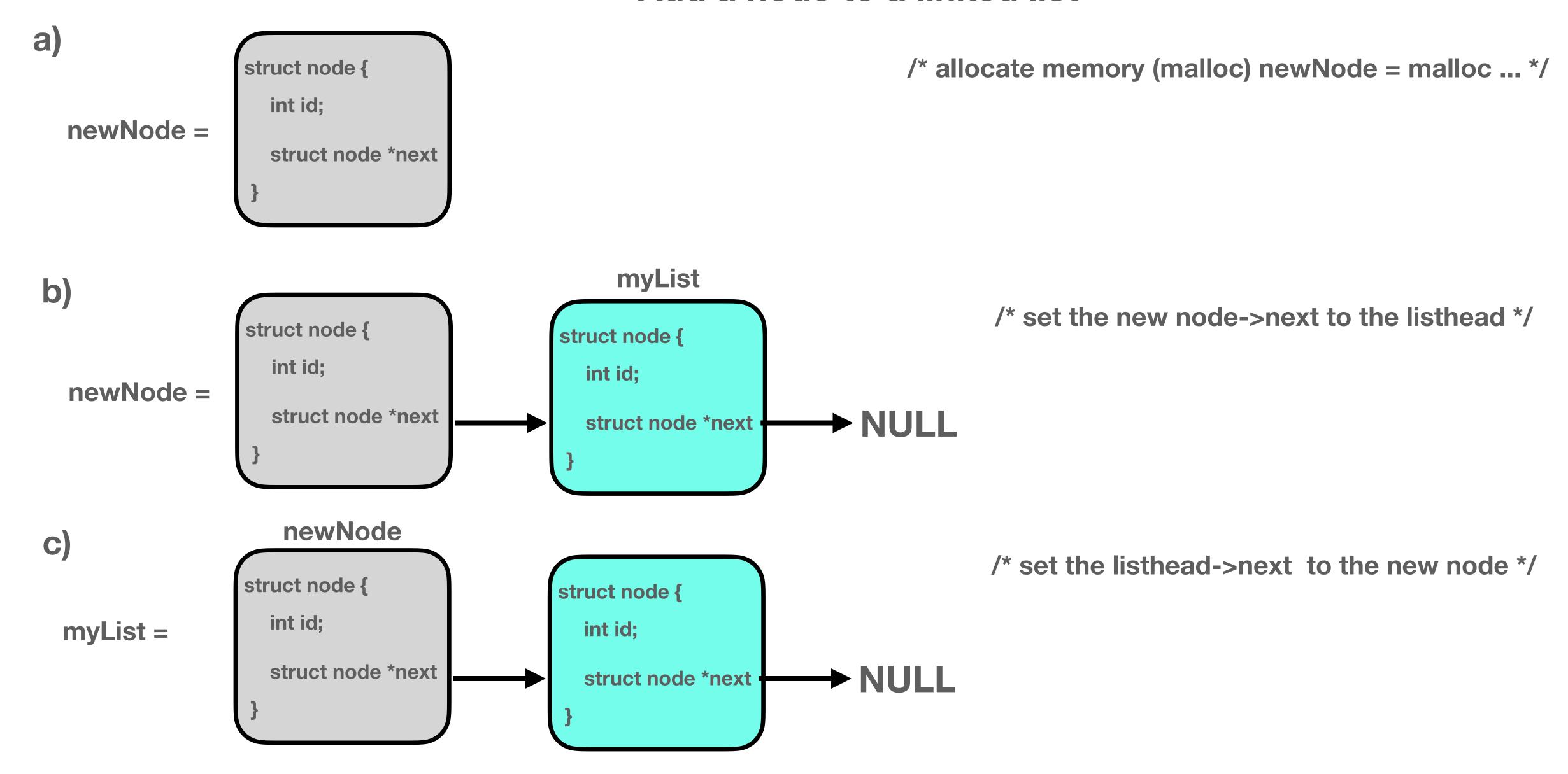
## Länkade listor #2

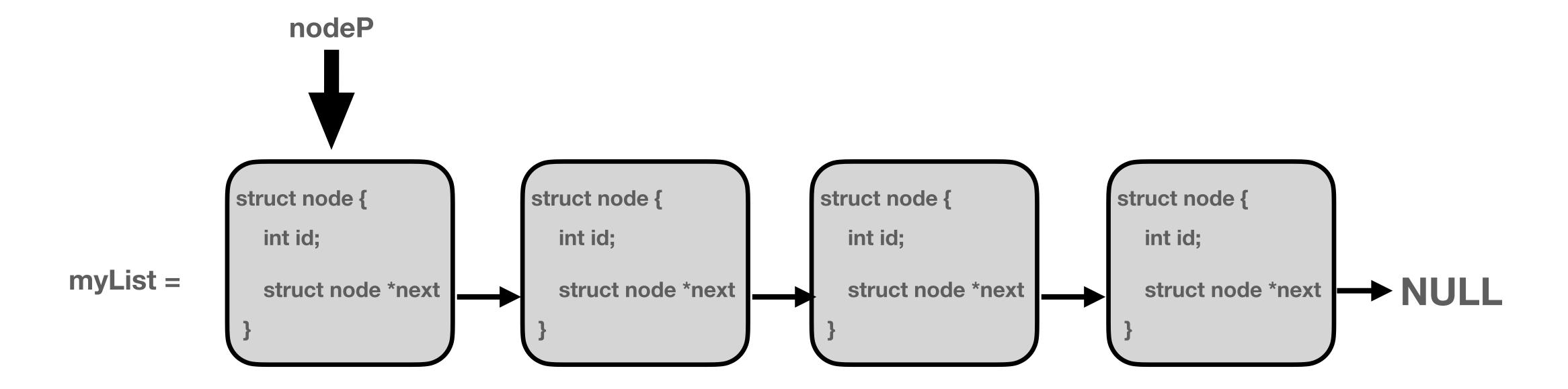
struct node \*myList = (struct node \*) malloc( sizeof( struct node ));



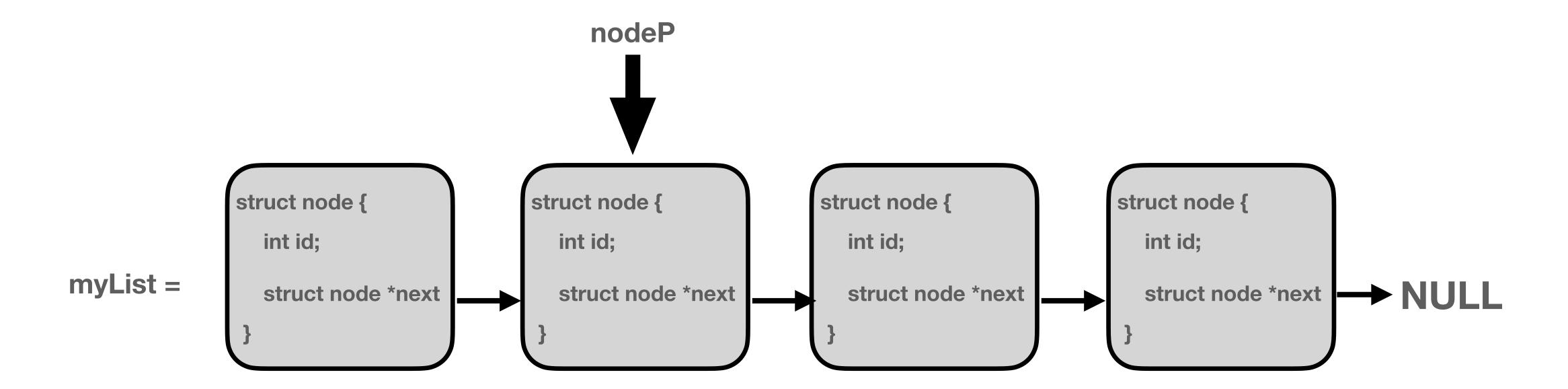
## Add a node to a linked list



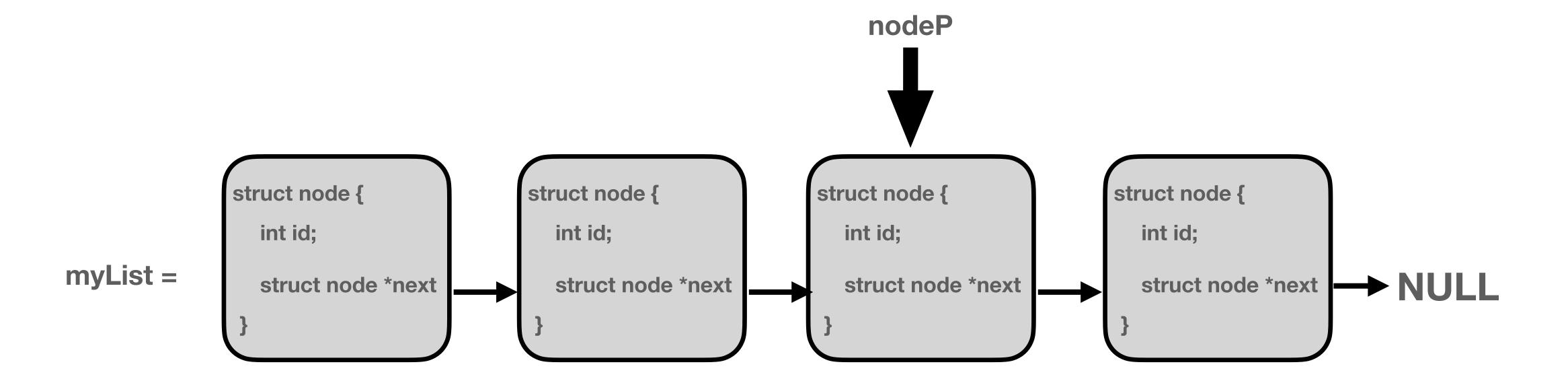
```
for( struct node *nodeP = myList; nodeP != NULL; nodeP = nodeP->next)
{
    printf("node [%p], id: %d\n", nodeP,nodeP->id);
}
```



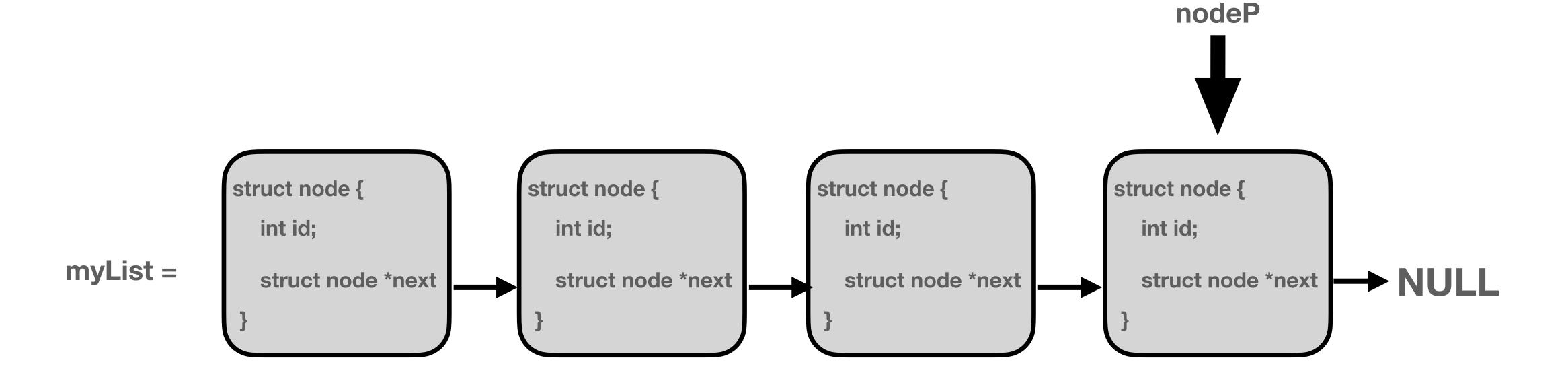
```
for( struct node *nodeP = myList; nodeP != NULL; nodeP = nodeP->next)
{
    printf("node [%p], id: %d\n", nodeP,nodeP->id);
}
```



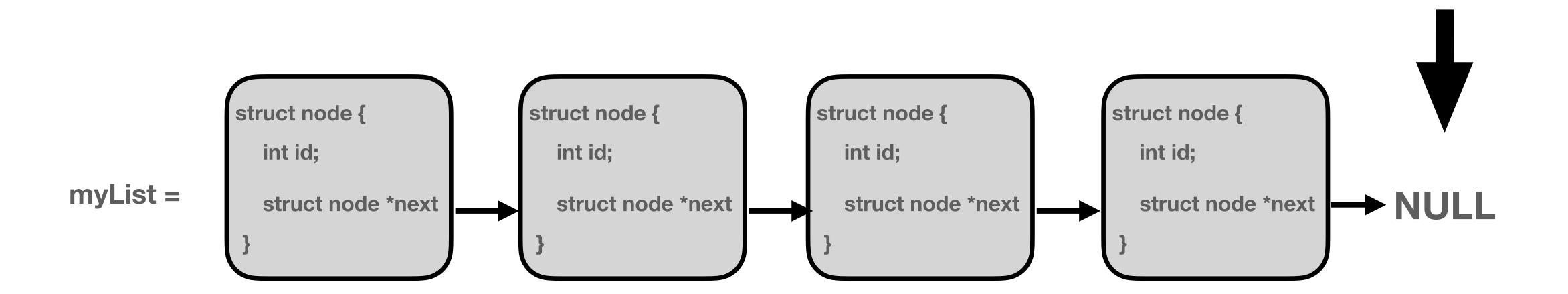
```
for( struct node *nodeP = myList; nodeP != NULL; nodeP = nodeP->next)
{
    printf("node [%p], id: %d\n", nodeP,nodeP->id);
}
```



```
for( struct node *nodeP = myList; nodeP != NULL; nodeP = nodeP->next)
{
    printf("node [%p], id: %d\n", nodeP,nodeP->id);
}
```



```
for( struct node *nodeP = myList; nodeP != NULL; nodeP = nodeP->next)
{
    printf("node [%p], id: %d\n", nodeP,nodeP->id);
}
```



nodeP

## Assignments

- 1. Create a new repository and add a C file with code that use a linked list .... try to create the code without looking at some other code ...
- 2. Repeat above step 1 until you can write an example of creating and using a simple linked list in C without copying or looking at an existing example.
- 3. Create another repository with a program that have functions for **inserting** a node in a list, **delete** a node in a list, **add** a node **at the end** of a list, **sorting** a list. It is permitted to look for an example to copy these functions.
- 4. Now create a repository and add a C file. In the C file, try to write the code (as in step 3) without looking on an existing code.
- 5. Repeat 4 until you master creating repositories and adding code with linked lists and functions that operate on them.