doesn't work correctly in all cases. Explain what's wrong with it and show how to fix it. Assume that the node structure is the one defined in Section 17.5.

Section 17.6

- 14. Modify the delete_from_list function (Section 17.5) so that its first parameter has type struct node ** (a pointer to a pointer to the first node in a list) and its return type is void. delete_from_list must modify its first argument to point to the list after the desired node has been deleted.
- **Section 17.7 15.** Show the output of the following program and explain what it does.

```
#include <stdio.h>
int fl(int (*f)(int));
int f2(int i);
int main(void)
{
   printf("Answer: %d\n", fl(f2));
   return 0;
}
int fl(int (*f)(int))
{
   int n = 0;
   while ((*f)(n)) n++;
   return n;
}
int f2(int i)
{
   return i * i + i - 12;
}
```

- 16. Write the following function. The call sum(g, i, j) should return g(i) + ... + g(j). int sum(int (*f)(int), int start, int end);
- 17. Let a be an array of 100 integers. Write a call of qsort that sorts only the *last* 50 elements in a. (You don't need to write the comparison function).
 - 18. Modify the compare_parts function so that parts are sorted with their numbers in descending order.
 - 19. Write a function that, when given a string as its argument, searches the following array of structures for a matching command name, then calls the function associated with that name.