Lab 11 - In Lab Assignment
Due end of the lab session

Acknowledge your collaborators or source of solutions, if any. **Submission by the end of the LAB is required.** Please type your answers, handwritten submission will not be accepted. Do all of the following.

1. If a linked list contains three nodes with values "him", "her", and "its", and
   hp is a pointer to the list head, what is the effect of the following statements?
   Assume the data component of node type **pro_node_t** is pronoun, the link
   component is **nextp**, and **np** and **mp** are pointer variables.

```
np = hp->nextp;
strcpy(np->pronoun, "she");
```

2. When an element is deleted from a linked list, it is automatically returned to the heap. True or false? If false, please explain.

3. Often computers allow you to type characters ahead of the program's use of them. Should a stack or a queue be used to store these characters?