

## CSCI 104 Participation Quiz 3: February 12, 2019

Name, ID:

**Write a recursive function to reverse a linked list, llreverse.** The function prototype is given for you to implement as well as how it would be called in main.

```
struct IntItem {
    int val;
    IntItem *next;
};

void llreverse(IntItem *curr, IntItem* prev, IntItem*& head);

int main(int argc, char* argv[])
{
    IntItem * head;
    /* Code to create linked list here */

    llreverse(head, NULL, head);
    /* Code to print and delete dynamic memory from linked list here */
}

/* Before the initial call to llreverse, curr should be a pointer to the head of the linked list to reverse.
   After the llreverse call, head should be the head of the reversed list */
void llreverse(IntItem *curr, IntItem* prev, IntItem*& head){

}
```