

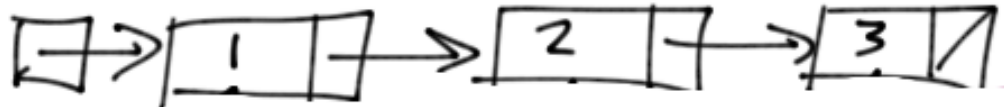
Today - Lecture 16 - CS162

- 1) Topic # 5 on Recursion
- 2) Write Functions using both iteration and recursion
- 3) Practice!

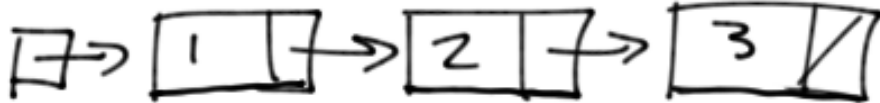
Announcements:

- * Get familiar with
 - a) Linear Linked Lists
 - b) Recursion
 - c) Pointers
 - d) Dynamic Memory
- * Plan ahead for finals!
- * This week is our last quiz!

```
void display(node * head) //recursive!  
{  
    //Question 1: What should STOP the process  
    if (head == NULL) return;  
  
    cout <<head->data <<endl;  
    display(head->next);  
}
```



```
void display(node * head) //recursive!  
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    //Question 1: What should STOP the process  
    if (head == NULL) return;  
    display(head->next);  
    cout <<head->data <<endl;  
}
```



```
//Recursively
void add_at_end(node * & head, char * name)
{
    if (!head)
    {
        head = new node;
        //save the data
        head->next = NULL;
    }
    else add_at_end(head->next,name);
}
```

