CS 220, Fall 2017
Assignment 5 – (100 points)
Due date: 05 Oct 2017, 11:59pm.

Instructions

- Answer the questions individually. Group effort is not allowed.
- Solutions must be committed to your respective repositories on github.
- For this assignment, **you are not allowed to use any library functions not declared in `stdio.h`**.
- Ensure that your code runs on remote.cs.binghamton.edu.
- Prototypes must be provided for all functions within the header file `define.h`.
- Code must be appropriately commented.
- Useful resources:
  - Common linux commands: `http://www.informit.com/blogs/blog.aspx?uk=The-10-Most-Important-Linux-Commands`
  - `http://c-faq.com/`
  - `https://cdecl.org/`

Questions

1. (100 points) You are to implement a function: `Node *my_reverse(Node *head)` that reverses a list beginning at `Node *head`. The return value of this function is a pointer to the head of the newly-reversed linked list. A linked list is a collection of Nodes that are connected to each other using pointers. The last node in a list points to `NULL`.

The following definition of a Node is provided in `define.h`, and may not be modified in your submission:

```
struct _Node {
        union {
                int n;
                char c;
        } val;
        void *ptr;
        int var;
};
typedef struct _Node Node;
```