

CSC215

Math and Computer Science



C Style Singly Linked List – non ADT

```
struct node
{
    int num;
    node *next;
};
void destroyList( node *&headptr );
bool insert( node *&headptr, int item );
bool remove( node *&headptr, int item );
int find( node *headptr, int item );
bool isEmpty(node *headptr );
int size(node *headptr );
void print( node *headptr, ostream &out );
```

Creating the list.

```
int main()  
{  
    node *headptr = nullptr;  
  
    // use the list here.  
  
    destroyList( headptr );  
    return 0;  
}
```