```
#include "nodes LLoLL.h"
#include "cnPtrQueue.h"
#include <iostream>
using namespace std;
namespace CS3358 FA2021 A5P2
   void Destroy cList(CNode*& cListHead)
      int count = 0;
      CNode* cNodePtr = cListHead;
      while (cListHead != 0)
         cListHead = cListHead->link;
         delete cNodePtr;
         cNodePtr = cListHead;
         ++count;
      cout << "Dynamic memory for " << count << " CNodes freed"</pre>
           << endl;
   }
   void Destroy pList(PNode*& pListHead)
      int count = 0;
      PNode* pNodePtr = pListHead;
      while (pListHead != 0)
         pListHead = pListHead->link;
         Destroy cList(pNodePtr->data);
         delete pNodePtr;
         pNodePtr = pListHead;
         ++count;
      cout << "Dynamic memory for " << count << " PNodes freed"</pre>
           << endl;
   }
   // do depth-first traversal and print data
   void ShowAll DF(PNode* pListHead, ostream& outs)
      while (pListHead != 0)
         CNode* cListHead = pListHead->data;
         while (cListHead != 0)
            outs << cListHead->data << " ";
            cListHead = cListHead->link;
         pListHead = pListHead->link;
      }
   }
   // do breadth-first (level) traversal and print data
   void ShowAll_BF(PNode* pListHead, ostream& outs)
```

```
{
  if (pListHead == 0)
    return;
   cnPtrQueue q;
  CNode *cursor = 0;
  while (pListHead != 0)
       if(pListHead->data != 0)
        q.push(pListHead->data);
       pListHead = pListHead->link;
  while (!q.empty())
       cursor = q.front();
       q.pop();
       outs << cursor->data << " ";
       if (cursor->link != 0)
        q.push(cursor->link);
  }
}
```