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| **2019년 10월 29일 실습보고서** |
| **7조-이름 : 양석준,박진영, 송재원,조윤직,** |
| **실습자료1 : [연결리스트 정렬 삽입]** |
| **소스코드** |
| clist헤더  #pragma once  #include <iostream>  using namespace std;  #include "CNode.h"  class CLinkedList  {  private:  CNode\* head;  CNode\* tail;  public:  CLinkedList();  ~CLinkedList();  void delete\_all();  void insert1(const int& key);  void insertsort(const int& key);  void showList() {  CNode\* p = head->getNext();  while (p != tail) {  cout << p->getkey() << endl;  p = p->getNext();  }  }  };  Clist cpp  #include "CLinkedList.h"  CLinkedList::CLinkedList()  {  head = new CNode();  tail = new CNode();  head->setNext(tail);  tail->setNext(tail);  }  CLinkedList::~CLinkedList()  {  delete\_all();  delete head;  delete tail;  }  void CLinkedList::delete\_all()  {  CNode\* p = head->getNext();  while (p != tail) {  CNode\* temp = p->getNext();  delete p;  p =temp;  }  }  void CLinkedList::insert1(const int& key)  {  {  CNode\* temp = new CNode;  temp->setkey(key);  temp->setNext(head->getNext());  head->setNext(temp);  }  }  void CLinkedList::insertsort(const int& key)  {  CNode\* fp = head;  CNode\* p = head->getNext();  CNode\* temp = new CNode;  temp->setkey(key);  while (p != tail) {  if (key < p->getkey()) {  break;  }  else {  fp = p;  p = p->getNext();  }  }  fp->setNext(temp);  temp->setNext(p);  }  Cnode 헤더  #pragma once  class CNode  {  private:  int key;  CNode\* next;  public :  CNode();  ~CNode();  int getkey() {  return key;  }  void setkey(const int& key) {  this->key = key;  }  CNode\* getNext() {  return next;  }  void setNext(CNode\* next) {  this->next = next;  }  };  Main.cpp  // 13\_1029.cpp : 이 파일에는 'main' 함수가 포함됩니다. 거기서 프로그램 실행이 시작되고 종료됩니다.  //  #include <iostream>  using namespace std;  #include "CLinkedList.h"  int main()  {  cout << "7조"<<endl;  CLinkedList cl;  cl.insertsort(70);  cl.insertsort(20);  cl.insertsort(20);  cl.insertsort(80);  cl.insertsort(20);  cl.insertsort(30);  cl.showList();  } |
| **실행결과** |
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