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| **2019년 9월 24일 실습보고서** |
| **학번 : 201810754, 이름 : 조윤직** |
| **실습자료1 : [정렬하기]-포인터 사용 원본 유지** |
| **소스코드** |
| #include <iostream>  #include <string>  #include <sstream>  #include <cstdlib>  #include <ctime>  #include <iomanip>  using namespace std;  void lab01(){  const int SIZE = 10;  int arr[SIZE] = { 1,5,6,2,9,3,4,8,10,7 };  int \*parr[SIZE];  for (int i = 0; i < SIZE; i++) {  parr[i] = &arr[i];  }  for (int i = 0; i < SIZE - 1; i++) {  for (int j = i + 1; j < SIZE; j++) {  if ((\*parr[i]) > (\*parr[j])) {  int \*temp = parr[j];  parr[j] = parr[i];  parr[i] = temp;  }  }  }  cout << "원본 데이터 : ";  for (int i = 0; i < SIZE; i++)  cout << arr[i] << " ";  cout << endl;  cout << "정렬 데이터 : ";  for (int i = 0; i < SIZE; i++)  cout << \*parr[i] << " ";  cout << endl;  cout << "원본 데이터 : ";  for (int i = 0; i < SIZE; i++)  cout << arr[i] << " ";  cout << endl;  }  int main() {  cout << "201810754 조윤직\n";  lab01();  system("pause");  return 0;  } |
| **실행결과** |
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| **실습자료2 : [swap]** |
| **소스코드** |
| #include <iostream>  #include <string>  #include <sstream>  #include <cstdlib>  #include <ctime>  #include <iomanip>  using namespace std;  void swap(int &a,int &b) {  int temp = a;  a = b;  b = temp;  }  void swap(int \*a, int \*b) {  int temp = \*a;  \*a = \*b;  \*b = temp;  }  void lab02(){  int a = 10;  int b = 20;  cout << a << ", " << b << endl;  cout << "포인터swap함수 실행\n";  swap(&a, &b);  cout << a << ", " << b << endl;  cout << "참조 swap함수 실행\n";  swap(a, b);  cout << a << ", " << b << endl;  }  int main() {  cout << "201810754 조윤직\n";  lab02();  system("pause");  return 0;  } |
| **실행결과** |
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