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sizeof() gives memory, the means the space a pointer
                                                          In student.h
takes up if given
                                                          #ifndef student h
Int = float will truncate, does not work in vectors
                                                          #define student h
                                                          #include ...
#include... iostream, cmath, cstdlib (exit), string,
                                                          class student {
vector, fstream, algorithm
                                                          public:
bool isThisTrue(int same, double &change,
                                                            Student();
std::string &large) { return true; }
                                                            Student(std::string aName, int aAge);
                                                            std::string getName() const;
int main(int argc, char* argv[]) {
                                                            int getAge() const;
  std::cout << "enter something" << std::endl;
                                                            void setName(std::string aName);
  int something1, something2;
                                                            void setAge(int aAge);
  std::cin >> something1 >> something2;
                                                            bool sameName(const Student& s2) const;
  std::cerr << "wrong something" << std::endl;
                                                            void print() const;
  int a[8];
                                                          private:
  a[2] = 16;
                                                            std::string name; int age;
  std::string stars(12,'*');
  stars2 = stars.c str();
                                                          bool operator< (const Student& s1, const Student&
  char h[] = "HW!"; //OR {'H', 'W', '!', '\0'};
                                                          s2);
  std::string h2(h);;
                                                          std::ostream& operator<< (std::ostream& ostr, const
  std::vector<int> v(10, 5); //5,5,5,5,5,5,5,5,5,5
                                                          Student& s):
                                                          #endif
  std::vector<itn> c(v); //copy
  std::sort(c.begin(), c.end(), optional); // no ()
  for(int i = 0; i < 2; i++) { while(1) { break; } }
                                                          In student.cpp
  std::ifstream file in("input.txt");
                                                          #include ... #include "student.h"
  std::ofstream file out("output.txt")
                                                          Student::Student() { name = "No-name"; age = 0; }
  if(!file_in.good()) { std::cerr << error; exit(1); }</pre>
                                                          Student::Student(std::string aName, int aAge) {
  file in >> s >> s1; file out << h2 << "hello";
                                                          name = aName; age = aAge;
  Int x; while(file in >> x) { v.push_back(x) }
                                                          Std::string Student::getName() const
  const int n = 10; int p = x; int a[n];
                                                          { return name; }
                                                          int Student::getAge() const { return age; }
  for(p=a; p<a+10; p++){ *p=sqrt(p-a);}
  int a = \text{new int}[n]; for(int p = a; p < a + n; p + + b)
                                                          void Student::setName(std::string aName)
  int** a = new int*[r]; for(int i=0;
                                                          { name = aName; }
  i < r; i++) \{a[i] = new int[c]; for(int
                                                          void Student::setAge(int aAge) { age = aAge; }
 j=0; j< c; j++)\{a[i][j]=int(i+1)/int(j+1); \}\}
                                                          bool Student::sameName(const Student& s2) const {
  int readInt; int* intArray=new int[max];
                                                          //check }
  while(input>>readInt){*(intArray +
                                                          bool operator < (const Student & s1, const Student &
  *numElements) = readInt; *numElements += 1; }
                                                          s2) { /* sort */ return true; }
  str.substr(start, length); //npos = end of string
                                                          std::ostream& operator<< (std::ostream& ostr, const
  str.find("world");
                                                          Student& s) { ostr << s.getName() << " - "
                         //returns iterator of place
 //students.push back(Student(name, age));
                                                          s.getAge() <<std::endl; return ostr; }</pre>
  Student stu("name", 19);
  std::cout << stu << std::end;
  return 0; }
```