person_s.cpp (Vererbung)

```cpp
#include <iostream>
#include <string>
using namespace std;

class person {      string name;
                    int  jahr;
  public:
      person(string n = "", int j = 2005) : jahr(j), name(n) {}

      int get_jahr() const { return jahr; }
      string get_name() const { return name; }
      person get_person() const { return *this; }
};

class student : public person {     unsigned long matrnr;
                                    string studg;
  public:
      student(string n="", int j=2005, unsigned long m=4711,
      string s="WI04"): person(n, j), matrnr(m),studg(s){}

      unsigned long get_matrnr() const { return matrnr; }
      string get_studg() const { return studg; }
      student get_person() const { return *this; } // overwrite
};

void main(){
          student s1("Lehmann", 1984, 22337, "WI07");
          person p1(s1);
          cout<<"s1.jahr   = "<<p1.get_jahr()<<endl;
          cout<<"s1.matrnr = "<<s1.get_matrnr()<<endl;
          cout<<"s1.name   = "<<p1.get_name()<<endl;
          cout<<"s1.studg  = "<<s1.get_studg()<<endl;
          p1 = s1.get_person();
          p1 = ((person)s1).get_person();
          student s2 = s1.get_person();

//   student s3 = ((person)s1).get_person();  //Compile-Error
//   student s4 = p1.get_person();            //Compile-Error
//   student s5 = ((student)p1).get_person(); //Compile-Error
}

/* s1.jahr   = 1984
   s1.matrnr = 22337
   s1.name   = Lehmann
   s1.studga = WI07     */
```