

```
#include <iostream>

using namespace std;

class Student {
private:
    int studentId;
    string first;
    string last;
    int age;

public:
    Student() : studentId{}, first({}), last({}), age{} {}

    Student(int studentId, const string& first, const string& last, int age) :
        studentId(studentId), first(first), last(last), age(age) {}

    int getStudentId() {
        return this->studentId;
    }

    const string& getFirst() {
        return this->first;
    }

    const string& getLast() {
        return this->last;
    }

    int getAge() {
        return this->age;
    }

    friend ostream& operator<<(ostream& os, const Student& s) {
        os << "{\\\"student\\\" : {\\\"studentId\\\": \" << s.studentId << \", \"";
        os << \"\\\"first\\\": \" << s.first << \"\\\", \"";
        os << \"\\\"last\\\": \" << s.last << \"\\\", \"";
        os << \"\\\"age\\\": \" << s.age << \"}}\";
        return os;
    }

    friend istream& operator>>(istream& is, Student& s) {
        is >> s.studentId;
        is >> s.first;
        is >> s.last;
        is >> s.age;
        return is;
    }
};

int main() {
    Student s{1, "James", "Slocum", 34};
    cout << s << endl;

    Student s2;
    cin >> s2;

    cout << s2 << endl;
    return 0;
}
```