#include <iostream>

#include <fstream>

#include <string>

class name

{

private:

std::string surname;

std::string name;

std::string patronymic;

int number;

public:

void setSurname(const std::string& surname)

{

this->surname = surname;

}

void setName(const std::string& name)

{

this->name = name;

}

void setPatronymic(const std::string& patronymic)

{

this->patronymic = patronymic;

}

void setNumber(const int number)

{

this->number = number;

}

std::string getSurname() const

{

return surname;

}

std::string getName() const

{

return name;

}

std::string getPatronymic() const

{

return patronymic;

}

int getNumber() const

{

return number;

}

void readOfFile(std::ifstream& i)

{

std::string temp;

i >> surname >> name >> patronymic >> temp;

try

{

number = std::stoi(temp);

}

catch (...)

{

number = 0;

}

}

void writeOfFile(std::ofstream& o)

{

o << surname << '\n' << name << '\n' << patronymic << '\n' << number << '\n';

}

};

std::istream& operator>>(std::istream& i, name& n)

{

std::string temp;

i >> temp;

n.setSurname(temp);

i >> temp;

n.setName(temp);

i >> temp;

n.setPatronymic(temp);

i >> temp;

try

{

n.setNumber(std::stoi(temp));

}

catch (...)

{

n.setNumber(0);

}

return i;

}

std::ostream& operator<<(std::ostream& o, const name& n)

{

o << n.getSurname() << " " << n.getName() << " " << n.getPatronymic() << " " << n.getNumber();

return o;

}

int main()

{

name n;

std::cout << "Imput your name: ";

std::cin >> n;

std::ofstream o("user.txt");

n.writeOfFile(o);

o.close();

std::ifstream i("user.txt");

n.readOfFile(i);

i.close();

std::cout << "Hello, " << n << "!" << std::endl;

system("pause");

return 0;

}