

Person
_name : string # _surname : string
+ Person(name : const string, surname : const string) : Person + changeName(name : const string) : void + changeSurname(surname : const string) : void + const printFullName() : void + const getFullName() : pair<string, string> + virtual ~Person() : void + operator<(other: const &Person) : bool + operator<=(other: const &Person) : bool + operator==(other: const &Person) : bool + operator>=(other: const &Person) : bool + operator>(other: const &Person) : bool

Teacher
- _subjects : set<string>
+ Teacher(name : const string, surname : const string) : Teacher + Teacher(name : const string, surname : const string, subjects : const set<string>) : Teacher + const getSubjects () : set<string> + const printSubjects() : void + addSubject(subject : const string) : void + removeSubject (subject : const string) : void + ~Teacher() : void

School
_name : string # _numer : int # _students : map<Person, string> # _teachers : set<Teacher> # _classes : map<string, int> - _class_capacity : int
+ virtual setNumber(number : const int) : void + virtual setName(number : const string) : void + virtual setClassCapacity(cap : const int) : void + <i>virtual addTeacher(teacher : const Teacher) : void</i> + removeTeacher() : void + virtual void addStudent(student : const Person) : void + void addStudentF(student : const Person, cls : const string) : void + removeStudent() : void + virtual moveStudent() : void + virtual addClass(cls : const string) : void + removeClass() : void + const printClasses() : void + const printClass() : void + const printStudents() : void + const printTeachers() : void + virtual const printInfo() : void + const int getNum(who : const string, size : const int) + virtual ~School() : void

SportsSchool
- class_capacity : int
+ override setNumber(number : const int) : void + override setName(name : const string) : void + override addTeacher(teacher : const Teacher) : void + override addStudent(student : const Person) : void + override moveStudent() : void + override setClassCapacity(cap : const int) : void + override const printInfo() : void

AcademicSchool
- class_capacity : int
+ override setNumber(number : const int) : void + override setName(name : const string) : void + override addTeacher(teacher : const Teacher) : void + override addStudent(student : const Person) : void + override moveStudent() : void + override setClassCapacity(cap : const int) : void + override const printInfo() : void

Person Dziedziczenie ➤ Teacher

School Dziedziczenie ➤ SportsSchool

School Dziedziczenie ➤ AcademicSchool

Person Asocjacja ➤ School

Teacher Asocjacja ➤ School

Person Asocjacja ➤ SportsSchool

Teacher Asocjacja ➤ SportsSchool

Person Asocjacja ➤ AcademicSchool

Teacher Asocjacja ➤ AcademicSchool