

Object 1 - Person

32
1
5

Object 2 - Student

42
2
8

Object 3 - Teacher

21
3
15

Object 4 - Administrator

25
4
12

Object 5 - ???

27
2
7

```
class Person{
    public:
        int age; // box 1
        void happyBirthday();
};

void Person::happyBirthday() {
    age = age + 1;
}
```

```
class Person{
    public:
        int age; // box 1
        void happyBirthday();
};

class Student : public Person{
    public:
        int major; // box 2
        void changeMajor();
};

void Person::happyBirthday() {
    age = age + 1;
}

void Student::changeMajor() {
    major = major + 1;
}
```

```
class Person{
    public:
        int age; // box 1
        void happyBirthday();
};

class Teacher: public Person{
    public:
        int title; // box 2
        void promotion();
};

void Person::happyBirthday() {
    age = age + 1;
}

void Teacher::promotion() {
    title = title + 1;
}
```

```
class Person{
    public:
        int age; // box 1
        void happyBirthday();
};

class Teacher: public Person{
    public:
        int title; // box 2
        void promotion();
};

class Administrator: public Teacher{
    public:
        int salary; // box 3
        void promotion();
};

void Person::happyBirthday() {
    age = age + 1;
}

void Teacher::promotion() {
    title = title + 1;
}

void Administrator::promotion() {
    title = title + 1;
    salary = salary + 1;
}
```