


```
Main.java × Person.java × AbstractPerson.java × Student.java × Lecturer.java ×
1 package com.company;
2
3 public abstract class AbstractPerson implements Person{
4     private String name;
5     private int age;
6
7     public String getName() { return name; }
10
11     public void setName(String name) { this.name = name; }
14
15     public int getAge() { return age; }
18
19     public void setAge(int age) { this.age = age; }
22
23     @Override
24     public String toString() {
25         return "AbstractPerson{" +
26             "name='" + name + '\'' +
27             ", age=" + age +
28             '}';
29     }
30 }
31
```

Person.java



```
1 package com.company;  
2  
3 public interface Person {  
4     void speak();  
5 }  
6
```

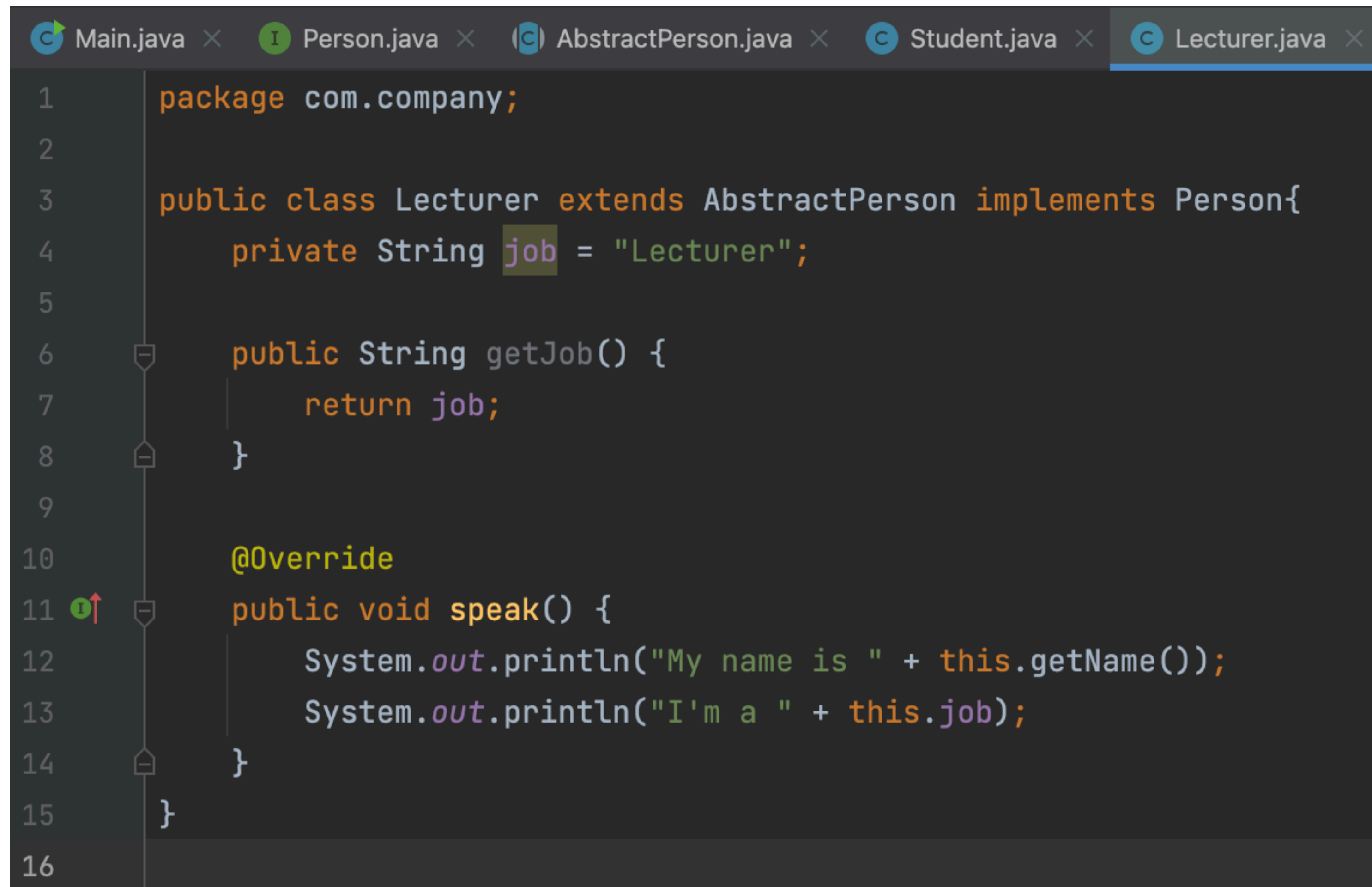
The image shows a code editor window with five tabs: Main.java, Person.java (selected), AbstractPerson.java, Student.java, and Lecturer.java. The selected tab displays the following Java code:

Student.java

```

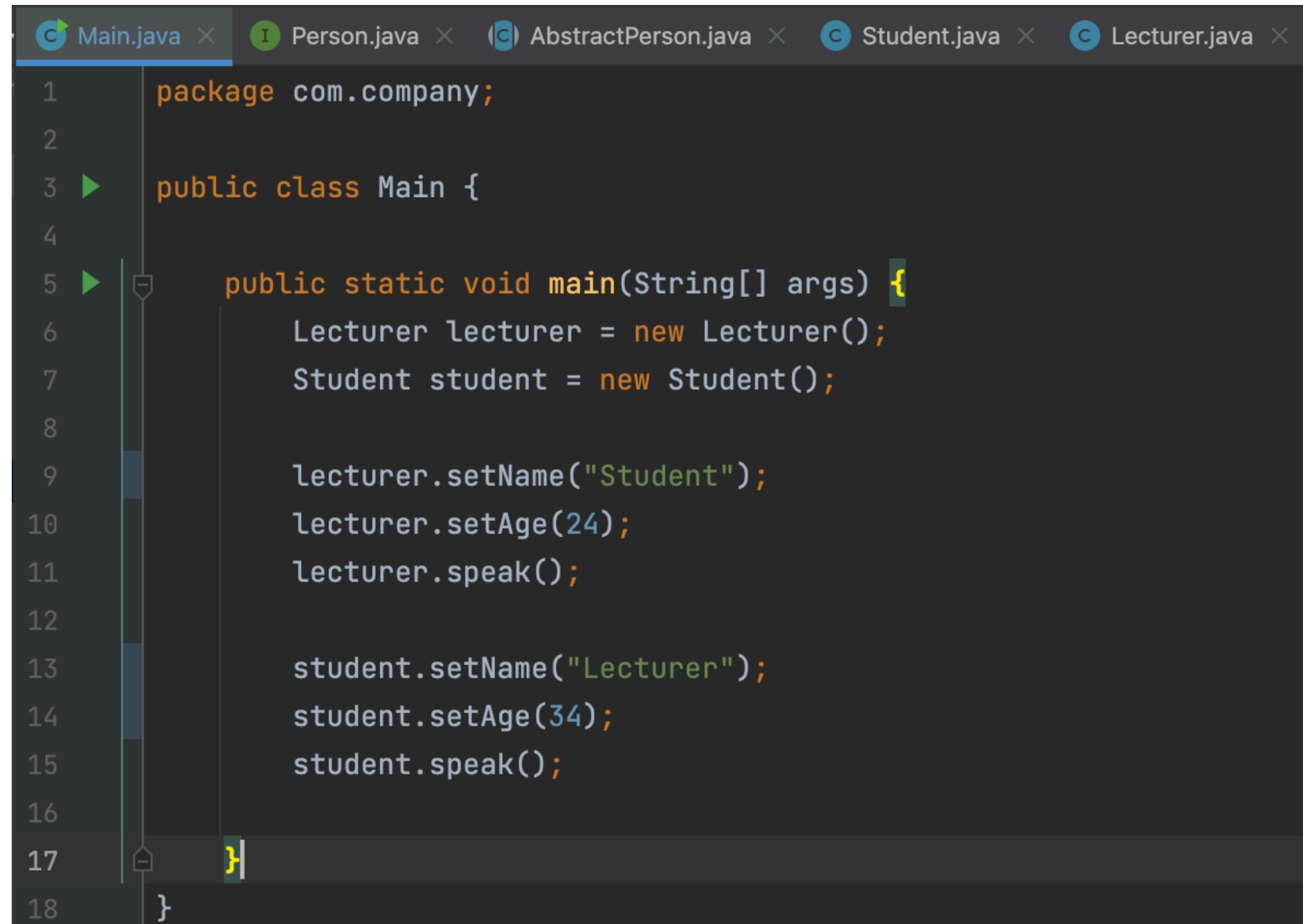
Main.java × Person.java × AbstractPerson.java × Student.java × Lecturer.java ×
1 package com.company;
2
3 public class Student extends AbstractPerson implements Person{
4     private String job = "Student";
5
6     public String getJob() {
7         return job;
8     }
9
10    @Override
11    public void speak() {
12        System.out.println("My name is " + this.getName());
13        System.out.println("I'm a " + this.job);
14    }
15 }
16
```

Lecturer.java



```
1 package com.company;
2
3 public class Lecturer extends AbstractPerson implements Person{
4     private String job = "Lecturer";
5
6     public String getJob() {
7         return job;
8     }
9
10    @Override
11    public void speak() {
12        System.out.println("My name is " + this.getName());
13        System.out.println("I'm a " + this.job);
14    }
15 }
16
```

Main.java



```
1 package com.company;
2
3 public class Main {
4
5     public static void main(String[] args) {
6         Lecturer lecturer = new Lecturer();
7         Student student = new Student();
8
9         lecturer.setName("Student");
10        lecturer.setAge(24);
11        lecturer.speak();
12
13        student.setName("Lecturer");
14        student.setAge(34);
15        student.speak();
16
17    }
18 }
```

Main.java 실행 결과

```
/Library/Java/JavaVirtualMachines/adopto  
My name is Lecturer  
I'm a Lecturer  
My name is Student  
I'm a Student  
  
Process finished with exit code 0
```