

## Practice 04

01.

```
public class Employee {  
    private int empID;  
    private String empName;  
    private String empDesignation;  
  
    public Employee(int empID, String empName, String empDesignation) {  
        this.empID = empID;  
        this.empName = empName;  
        this.empDesignation = empDesignation;  
    }  
  
    public int getEmpID() {  
        return empID;  
    }  
  
    public void setEmpID(int empID) {  
        this.empID = empID;  
    }  
  
    public String getEmpName() {  
        return empName;  
    }  
  
    public void setEmpName(String empName) {  
        this.empName = empName;  
    }  
  
    public String getEmpDesignation() {  
        return empDesignation;  
    }  
}
```

```

    public void setEmpDesignation(String empDesignation) {
        this.empDesignation = empDesignation;
    }
}

public class TestEmployee {
    public static void main(String[] args) {

        Employee mrBogdan = new Employee(101, "Mr. Bogdan", "Software Engineer");
        Employee msBird = new Employee(102, "Ms. Bird", "Product Manager");

        System.out.println("Employee ID: " + mrBogdan.getEmpID());
        System.out.println("Employee Name: " + mrBogdan.getEmpName());
        System.out.println("Employee Designation: " + mrBogdan.getEmpDesignation());

        System.out.println("\nEmployee ID: " + msBird.getEmpID());
        System.out.println("Employee Name: " + msBird.getEmpName());
        System.out.println("Employee Designation: " + msBird.getEmpDesignation());
    }
}

```

2.

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3. public class Person {

```

    private String name;
    private int id;

```

```
public Person(String name, int id) {  
    this.name = name;  
    this.id = id;  
}  
  
public String getName() {  
    return name;  
}  
  
public void setName(String name) {  
    this.name = name;  
}  
  
public int getId() {  
    return id;  
}  
  
public void setId(int id) {  
    this.id = id;  
}  
}  
  
public class Student extends Person {  
    private String course;  
  
    public Student(String name, int id, String course) {  
        super(name, id);  
        this.course = course;  
    }  
  
    public String getCourse() {  
        return course;  
    }  
}
```

```

    }

    public void setCourse(String course) {
        this.course = course;
    }
}

public class Lecturer extends Person {
    private String programme;

    public Lecturer(String name, int id, String programme) {
        super(name, id);
        this.programme = programme;
    }

    public String getProgramme() {
        return programme;
    }

    public void setProgramme(String programme) {
        this.programme = programme;
    }
}

public class TestPerson {
    public static void main(String[] args) {
        Student student = new Student("malinda", 1001, "SE");
        student.setName("malinda");
        System.out.println("Student Name: " + student.getName());
        System.out.println("Student ID: " + student.getId());
        System.out.println("Student Course: " + student.getCourse());
    }
}

```

```
Lecturer lecturer = new Lecturer("kanchuka", 2001, "SE");  
lecturer.setId(2000);  
System.out.println("\nLecturer Name: " + lecturer.getName());  
System.out.println("Lecturer ID: " + lecturer.getId());  
System.out.println("Lecturer Programme: " + lecturer.getProgramme());  
}  
}
```

4. true

true

true