

Exercise 01:

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

```
        this.empDesignation = empDesignation;
    }
}
```

```
public class EmployeeTest {
    public static void main(String[] args) {
        Employee mrBogdan = new Employee();

        mrBogdan.setEmpID(101);
        mrBogdan.setEmpName("Mr.Bogdan");
        mrBogdan.setEmpDesignation("Manager");

        Employee msBird = new Employee();

        msBird.setEmpID(202);
        msBird.setEmpName("Ms.Bird");
        msBird.setEmpDesignation("Developer");

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

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

Exercise 02:

Output Answer: 9

6

```
public class Main {  
    public static void main(String[] args) {  
        SuperB b = new SuperB();  
        b.setIt(2);  
        b.increase();  
        b.triple();  
        System.out.println(b.returnIt());  
  
        SubC c = new SubC();  
        c.setIt(2);  
        c.increase();  
        c.triple();  
        System.out.println(c.returnIt());  
    }  
}
```

```
class SubC extends SuperB {  
    void triple() {  
        x = x + 3; // override existing method  
    }  
  
    void quadruple() {  
        x = x * 4; // new method  
    }  
}
```

```
class SuperB {  
    int x;  
  
    void setIt(int n) {  
        x = n;  
    }  
  
    void increase() {  
        x = x + 1;  
    }  
  
    void triple() {  
        x = x * 3;  
    }  
  
    int returnIt() {  
        return x;  
    }  
}
```