Exercise 01:

Create a class called "Employee" which has 3 private variables (empID, empName, empDesignation) and create getters and setters for each field. Please note that this has no main method since this is just a blueprint not a application. Now crate a test class to invoke the Employee class. Create two objects for Mr.Bogdan and Ms.Bird and set required values using setters and print them back on the console using getters.

```
public class Employee
 //data
  private int empID;
  private String empName;
  private String empDesignation;
 //setter method to empID
  public void setId(int id)
    empID=id;
 //getter method to empID
  public int getId()
    return empID;
 //setter method to empName
  public void setName(String name)
```

empName=name;

```
}
  //getter method to empName
  public String getName()
    return empName;
  //setter method to empDesignation
  public void setDesignation(String d)
  {
    empDesignation=d;
  }
 //getter method to empDesignation
  public String getDesignation()
    return empDesignation;
public class Test
  public static void main(String[] args)
  {
    Employee e1=new Employee();
    e1.setId(1234);
    e1.setName("Mr.Bogdan");
```

```
e1.setDesignation("HR Manager");

System.out.println("Employee id: "+e1.getId());

System.out.println("Employee Name: "+e1.getName());

System.out.println("Employee Designation: "+e1.getDesignation());

System.out.print("\n");

Employee e2=new Employee();

e2.setId(1256);

e2.setName("Ms.Bird");

e2.setDesignation("Supervisor");

System.out.println("Employee id: "+e2.getId());

System.out.println("Employee Name: "+e2.getName());

System.out.println("Employee Designation: "+e2.getDesignation());

}
```

Exercise 02:

Develop the following class execute and discuss the answer: Please note that each class stored in separate files. Write down the answer.

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

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

Output:

9

6