Lab sheet 4

Exercise 01:

Employee class

```
package com.mycompany.testemployee;
public class employee
{
   private int empID;     private
String empName;     private
String empDesignation;

   // Getter and Setter for empID
public int getEmpID()
   {
      return empID;
   }

   public void setEmpID(int empID)
   {
      this.empID = empID;
   }

   // Getter and Setter for empName
public String getEmpName()
   {
      return empName;
   }

   public void setEmpName(String empName)
```

```
   {
      this.empName = empName;
   }

   // Getter and Setter for empDesignation
public String getEmpDesignation()
 {
      return empDesignation;
   }

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

TestEmployee (MAIN)

```
package com.mycompany.testemployee;
public class TestEmployee
{
   public static void main(String[] args)
   {
      employee mrBogdan = new employee();
employee msBird = new employee();

 mrBogdan.setEmpID(101);
mrBogdan.setEmpName("Bogdan");
mrBogdan.setEmpDesignation("Software Engineer");
```

Exercise 2

```
 msBird.setEmpID(102);
msBird.setEmpName("Bird");
msBird.setEmpDesignation("Project Manager");

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

        System.out.println("\nMs. Bird Details:");
        System.out.println("Employee ID: " + msBird.getEmpID());
        System.out.println("Employee Name: " + msBird.getEmpName());
        System.out.println("Employee Designation: " + msBird.getEmpDesignation());
    }
}
class SuperB
{

int x;

void setIt (int n) { x=n;}

void increase () { x=x+1;} void triple () {x=x*3;};

int returnIt () {return x;}

}

class SubC extends SuperB {

void triple () {x=x+3;} // override existing method
```

```
c.setIt(2);

c.increase();

c.triple();

System.out.println( c.returnIt() ); }

}

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();
```