Labsheet 04

01)

```
public class Employee
{
   private int EmpID;
   private String EmpName,EmpDesignation;

   //setter method
   public void setID(int id)
   {
     EmpID=id;
   }
   public void setName(String n)
   {
     EmpName=n;
   }
   public void setDesignation(String d)
   {
     EmpDesignation=d;
   }

   //getter method
   public int getID()
   {
     return EmpID;
   }
   public String getName()
```

```
    {
      return EmpName;
    }
    public String getDesignation()
    {
      return EmpDesignation;
    }
}
package com.mycompany.empmain;
public class Test
{
    public static void main(String[]args)
    {
      Employee e1=new Employee();
      e1.setID(1000);
      e1.setName("Mr.Bogdan");
      e1.setDesignation("Employee");
      System.out.println("Employee ID: "+e1.getID());
      System.out.println("Employee Name: "+e1.getName());
      System.out.println("Employee Designation: "+e1.getDesignation());

      Employee e2=new Employee();
      e2.setID(2000);
      e2.setName("Mr.Bird");
      e2.setDesignation("Employee");
      System.out.println("Employee ID: "+e2.getID());
      System.out.println("Employee Name: "+e2.getName());
```

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

02)

```
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
    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() ); }
}
```

Result: 9

6