

Name : E. L. Thambawita  
Student ID : 29186

#### Practical 4

1.	<pre>package com.mycompany.employeeobjt;  public class Employee {      private int empID;     private String empName,empDesignation;      //getters and setters     public void setEmpID(int empID)     {         this.empID=empID;     }     public int getEmpID()     {         return empID;     }     public void setEmpName(String empName)     {         this.empName=empName;     }     public String getEmpName()     {         return empName;     }     public void setEmpDesignation(String empDesignation)     {         this.empDesignation=empDesignation;     }     public String getEmpDesignation()     {         return empDesignation;     } }  package com.mycompany.employeeobjt;  public class EmployeeObjt {      public static void main(String[] args) {         Employee MrBogdan=new Employee();</pre>
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	<pre> MrBogdan.setEmpID(1); MrBogdan.setEmpName("Dan"); MrBogdan.setEmpDesignation("Manager");  Employee MsBird=new Employee(); MsBird.setEmpID(2); MsBird.setEmpName("Chloe"); MsBird.setEmpDesignation("Director");  System.out.println("Employee Details:"); System.out.println(); System.out.println("Employee ID: "+MrBogdan.getEmpID()); System.out.println("Employee Name: "+MrBogdan.getEmpName()); System.out.println("Employee Designation: "+MrBogdan.getEmpDesignation()); System.out.println(); System.out.println("Employee ID: "+MsBird.getEmpID()); System.out.println("Employee Name: "+MsBird.getEmpName()); System.out.println("Employee Designation: "+MsBird.getEmpDesignation());      } } </pre>
2.	<p>Output:</p> <pre> 9 6 </pre>
3.	<pre> package com.mycompany.testperson;  public class Person {     private String name;     private int id;      public void setName(String name)     {         this.name=name;     }     public String getName()     {         return name;     }     public void setId(int id)     {         this.id=id;     }     public int getId()     { </pre>

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        return id;
    }

}

package com.mycompany.testperson;

public class Student extends Person {
    private String course;

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

package com.mycompany.testperson;

public class Lecturer extends Person {
    private String programme;

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

package com.mycompany.testperson;

public class TestPerson {

    public static void main(String[] args) {
        Student student=new Student();
        student.setName("John");
        student.setId(1);
        student.setCourse("Computer Science");

        Lecturer lecturer=new Lecturer();
        lecturer.setName("Dan");
    }
}

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	<pre> lecturer.setId(2); lecturer.setProgramme("Software Engineering");  System.out.println("Student Details:"); System.out.println("Name: "+student.getName()); System.out.println("ID: "+student.getId()); System.out.println("Course: "+student.getCourse()); System.out.println(""); System.out.println("Lecturer Details:"); System.out.println("Name: "+lecturer.getName()); System.out.println("ID: "+lecturer.getId()); System.out.println("Programme: "+lecturer.getProgramme());      } }</pre>
4.	True True True