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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