

**FACULTY OF ENGINEERING DESIGN AND TECHNOLOGY**

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**COURSE: BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS)**

**COURSE UNIT: OBJECT ORIENTED PROGRAMMING**

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**Exercise 1**

**Output:**

vroom

truck 1

car 2

**Exercise 2**

**Output:**

vroomvroom

truck 1

car 1

**Exercise 3**

**Code:**

public class MonsterTruck extends Truck {

    public void m1() {

           System.out.println("monster 1");

       }

       public void m2() {

           super.m1();

           super.m2();

       }

       public String toString() {

           return "monster " + super.toString();

       }

}

}}

**Output:**

monster 1

truck 1

car 1

monster vroomvroom

**Exercise 4**

**Plain janitor class:**

public class Janitor {

    public int getHours() {

        return 80;

    }

    public double getSalary() {

        return 30000;

    }

    public int getVacationDays() {

        return 5;

    }

    public void clean() {

        System.out.println("Workin' for the man.");

    }

}

**Modified Janitor class**

public class Janitor extends Employee {

    public int getHours() {

        return 2 \* super.getHours();

    }

    public double getSalary() {

        return super.getSalary() - 10000;

    }

    public int getVacationDays() {

        return super.getVacationDays() / 2;

    }

    public void clean() {

        System.out.println("Workin' for the man.");

    }

}