

**Object Oriented Programming**

**Lab Assignment 6**

**SUBMITTED BY:**

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**Activity 1:**

package LAB6;

class person {

    protected String name;

    protected String id;

    protected int phone;

    person() {

        name = " ";

        id = " ";

        phone = 0;

    }

    person(String name, String id, int phone) {

        this.name = name;

        this.id = id;

        this.phone = phone;

    }

    public String getName() {

        return name;

    }

    public void setName(String name) {

        this.name = name;

    }

    public String getId() {

        return id;

    }

    public void setId(String id) {

        this.id = id;

    }

    public int getPhone() {

        return phone;

    }

    public void setPhone(int phone) {

        this.phone = phone;

    }

    void display() {

        System.out.println("Name: " + name);

        System.out.println("ID: " + id);

        System.out.println("Phone: " + phone);

    }

}

class Student extends person {

    private String rollNo;

    private int marks;

    Student() {

        super();

        rollNo = " ";

        marks = 0;

    }

    Student(String name, String id, int phone, String rollNo, int marks) {

        super(name, id, phone);

        this.rollNo = rollNo;

        this.marks = marks;

    }

    @Override

    void display() {

        super.display();

        System.out.println("Roll No: " + rollNo);

        System.out.println("Marks: " + marks);

    }

    public String getRollNo() {

        return rollNo;

    }

    public void setRollNo(String rollNo) {

        this.rollNo = rollNo;

    }

    public int getMarks() {

        return marks;

    }

    public void setMarks(int marks) {

        this.marks = marks;

    }

}

class Runner {

    public static void main(String[] args) {

        Student s1 = new Student("Hasaan Ahmad", "Sp22-bse-017", 123456789, "17", 100);

        s1.display();

    }

}

**Output:**

**Activity2:**

**Output**

**Graded Lab Task 1:**

**Output:**

**Graded Lab Task 2:**

**Output:**

**Graded Lab Task 3:**

**Output:**