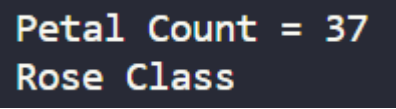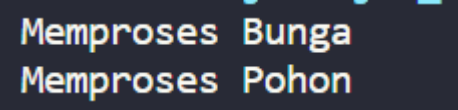| NO	Script	Hasil Running
| 1 | ```java
public class JSP701 {
    public static class Flower {
        int petalCount = 37;

        public void displayInfo() {
            System.out.println("Flower class");
        }
    }

    public static class Rose extends Flower {
        int petalCount = 10;

        @Override
        public void displayInfo() {
            System.out.println("Rose Class");
        }
    }

    public static class FloralApp {
        public static void main(String[] args) {
            Flower flowerObject = new Rose();

            System.out.println("Petal Count = " +
flowerObject.petalCount);
            flowerObject.displayInfo();
        }
    }
}
``` | Petal Count = 37<br>Rose Class |
| 2 | ```java
import java.util.ArrayList;

class Tanaman {

}

class Bunga extends Tanaman {

}

class Pohon extends Tanaman {
``` | Memproses Bunga<br>Memproses Pohon |

```
}

public class JSP702 {
    public static void prosesTanaman(Tanaman tanaman) {
        if (tanaman instanceof Bunga) {

            System.out.println("Memproses Bunga");
        } else if (tanaman instanceof Pohon) {

            System.out.println("Memproses Pohon");
        } else {
            // Metode lainnya
            System.out.println("Memproses Tanaman Lainnya");
        }
    }

    public static void main(String[] args) {
        ArrayList<Tanaman> taman = new ArrayList<>();


        taman.add(new Bunga());
        taman.add(new Pohon());

        for (Tanaman tanaman : taman) {
            prosesTanaman(tanaman);
        }
    }
}
```

| 3 | ```
class Tanaman2 {
    void tampilkanInfo() {
        System.out.println("Info Tanaman2 Umum");
    }
}

class Bunga extends Tanaman2 {

    void tampilkanInfo() {
        System.out.println("Info Bunga");
    }
}
``` | Memproses Bunga<br>Memproses Pohon |

```
class Pohon extends Tanaman2 {

    void tampilkanInfo() {
        System.out.println("Info Pohon");
    }
}

public class JS3 {
    public static void prosesTanaman2(Tanaman2 tanaman) {
        tanaman.tampilkanInfo();
    }

    public static void main(String[] args) {
        Tanaman2 bunga = new Bunga();
        Tanaman2 pohon = new Pohon();

        System.out.println("Proses Tanaman Bunga:");
        prosesTanaman2(bunga);

        System.out.println("\nProses Tanaman Pohon:");
        prosesTanaman2(pohon);
    }

}
```

| 4 | ```
class Tanaman {
    void tampilkanInfo() {
        System.out.println("Info Tanaman Umum");
    }
}

class Bunga extends Tanaman {
    void tampilkanInfo() {
        System.out.println("Info Bunga");
    }
}

class Pohon extends Tanaman {
    void tampilkanInfo() {
        System.out.println("Info Pohon");
    }
``` | Proses Tanaman Bunga:<br>Memproses Bunga<br><br>Proses Tanaman Pohon:<br>Memproses Pohon |

```
}

public class jsp704 {
    public static void prosesTanaman(Tanaman tanaman) {
        if (tanaman instanceof Bunga) {

            System.out.println("Memproses Bunga");
        } else if (tanaman instanceof Pohon) {

            System.out.println("Memproses Pohon");
        } else {

            System.out.println("Memproses Tanaman Lainnya");
        }
    }

    public static void main(String[] args) {
        Tanaman bunga = new Bunga();
        Tanaman pohon = new Pohon();

        System.out.println("Proses Tanaman Bunga:");
        prosesTanaman(bunga);

        System.out.println("\nProses Tanaman Pohon:");
        prosesTanaman(pohon);
    }
}
```

| 5 | `class Tanaman {`
`    void tampilkanInfo() {`
`        System.out.println("Info Tanaman Umum");`
`    }`
`}`

`class Bunga extends Tanaman {`
`    void tampilkanInfo() {`
`        System.out.println("Info Bunga");`
`    }`
`}`

`class Pohon extends Tanaman {` | Proses Tanaman Bunga:
Memproses Bunga |

```java
        void tampilkanInfo() {
            System.out.println("Info Pohon");
        }
    }

public class jsp705 {
    public static void prosesTanaman(Object tanaman) {
        if (tanaman instanceof Bunga) {
            Bunga bunga = (Bunga) tanaman;

            System.out.println("Memproses Bunga");
            bunga.tampilkanInfo();
        } else if (tanaman instanceof Pohon) {
            Pohon pohon = (Pohon) tanaman;

            System.out.println("Memproses Pohon");
            pohon.tampilkanInfo();
        } else {

            System.out.println("Memproses Tanaman Lainnya");
        }
    }

    public static void main(String[] args) {
        Tanaman bunga = new Bunga();
        Tanaman pohon = new Pohon();

        System.out.println("Proses Tanaman Bunga:");
        prosesTanaman(bunga);

        System.out.println("\nProses Tanaman Pohon:");
        prosesTanaman(pohon);
    }
}
```

| 6 | `package PACKAGE1;`
`class Tanaman {`
`    protected String jenis;`

`    public Tanaman(String jenis) {`
`        this.jenis = jenis;`
`    }` | Info Tanaman: Mawar
Info Tanaman: Oak |

```java
    @Override
    public String toString() {
        return "Info Tanaman: " + jenis;
    }
}

class Bunga extends Tanaman {
    public Bunga(String jenis) {
        super(jenis);
    }

    public String methodeBunga() {
        return "Metode Bunga";
    }
}

class Pohon extends Tanaman {
    public Pohon(String jenis) {
        super(jenis);
    }

    public String methodePohon() {
        return "Metode Pohon";
    }
}

public class ss {
    public static void main(String[] args) {
        Bunga mawar = new Bunga("Mawar");
        Pohon oak = new Pohon("Oak");

        Tanaman tanaman1 = (Tanaman) mawar;


        Tanaman tanaman2 = (Tanaman) oak;


        System.out.println(tanaman1.toString());
        System.out.println(tanaman2.toString());
```

| 7 | ```
package Package2;
class Tanaman {
    protected String jenis;

    public Tanaman(String jenis) {
        this.jenis = jenis;
    }


    public String toString() {
        return "Info Tanaman: " + jenis;
    }
}

class Bunga extends Tanaman {
    public Bunga(String jenis) {
        super(jenis);
    }

    public String methodeBunga() {
        return "Metode Bunga";
    }
}

class Pohon extends Tanaman {
    public Pohon(String jenis) {
        super(jenis);
    }

    public String methodePohon() {
        return "Metode Pohon";
    }
}

public class jsp707 {
    public static void main(String[] args) {
        Tanaman tanaman = new Bunga("Mawar");
``` | Metode Bunga<br>Metode Pohon |

```java
        if (tanaman instanceof Bunga) {
            Bunga bunga = (Bunga) tanaman;
            System.out.println(bunga.methodeBunga());
        }

        // Membuat objek Tanaman
        Tanaman tanaman2 = new Pohon("Oak");


        if (tanaman2 instanceof Pohon) {
            Pohon pohon = (Pohon) tanaman2;
            System.out.println(pohon.methodePohon());
        }
    }
}
```

| 8 | ```java
package PACKAGE3;


class PerbandinganFlora {
    public static String bandingkan(int nilai1, int nilai2) {
        if (nilai1 > nilai2) {
            return "Flora pertama lebih tinggi.";
        } else if (nilai1 < nilai2) {
            return "Flora kedua lebih tinggi.";
        } else {
            return "Kedua flora memiliki tinggi yang sama.";
        }
    }

    public static String bandingkan(double nilai1, double
nilai2) {
        if (nilai1 > nilai2) {
            return "Flora pertama lebih mekar.";
        } else if (nilai1 < nilai2) {
            return "Flora kedua lebih mekar.";
        } else {
            return "Kedua flora mekar dengan seimbang.";
        }
    }
}
``` | Perbandingan Tinggi Flora:<br>Flora kedua lebih tinggi.<br><br>Perbandingan Mekar Flora:<br>Flora kedua lebih mekar. |

```java
public class jsp708 {
    public static void main(String[] args) {
        System.out.println("Perbandingan Tinggi Flora:");
        System.out.println(PerbandinganFlora.bandingkan(10,
15));

        System.out.println("\nPerbandingan Mekar Flora:");
        System.out.println(PerbandinganFlora.bandingkan(5.0,
5.5));
    }
}
```

| 9 | ```java
package package9;

class Tanaman9 {
    public void tumbuh() {
        System.out.println("Tanaman sedang tumbuh");
    }
}


class Bunga extends Tanaman9 {

    public void tumbuh() {
        System.out.println("Bunga sedang mekar");
    }
}


class Pohon extends Tanaman9 {

    public void tumbuh() {
        System.out.println("Pohon sedang berkembang");
    }
}


class Semak extends Tanaman9 {

    public void tumbuh() {
``` | Tanaman sedang tumbuh<br>Bunga sedang mekar<br>Pohon sedang berkembang<br>Semak sedang merambat |

```
            System.out.println("Semak sedang merambat");
        }
    }


    public class jsp709 {
        public static void main(String[] args) {
            Tanaman9 tanaman91 = new Tanaman9();
            tanaman91.tumbuh();

            tanaman91 = new Bunga();
            tanaman91.tumbuh();

            tanaman91 = new Pohon();
            tanaman91.tumbuh();

            tanaman91 = new Semak();
            tanaman91.tumbuh();
        }
    }
```

| 10 | ```
import java.util.Scanner;

public class Employee {
    private String name;
    private double salary;
    private static double salary_rise_percent = 0.2;

    public Employee(String nm, double sly) {
        this.setName(nm);
        this.setSalary(sly);
    }

    public void setName(String nm) {
        name = nm;
    }

    public void setSalary(double sly) {
        salary = sly;
    }

    public static void setPresentase(double percent) {
``` | Masukkan nama manager: Surya<br>Masukkan gaji manager: 30<br>Nama Manager: Surya<br>Bonus Manager: 500.0<br>Gaji Manager: 530.0 |

```java
            salary_rise_percent = percent;
        }

        public String getName() {
            return name;
        }

        public double getSalary() {
            return salary;
        }

        public static double getPresentase() {
            return salary_rise_percent;
        }

        public void salaryUp() {
            salary += (salary * salary_rise_percent);
        }
    }

class Manager extends Employee {
        private static double bonus = 500;

        public Manager(String nm, double sly) {
            super(nm, sly);
        }

        public double getBonus() {
            return bonus;
        }

        public void setBonus(double bns) {
            bonus = bns;
        }

        @Override
        public double getSalary() {
            double salaryBase = super.getSalary();
            return (salaryBase + bonus);
        }
    }
```

```
class TestManager {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("Masukkan nama manager: ");
        String name = scanner.nextLine();

        System.out.print("Masukkan gaji manager: ");
        double salary = scanner.nextDouble();

        Manager mng = new Manager(name, salary);

        System.out.println("Nama Manager: " + mng.getName());
        System.out.println("Bonus Manager: " + mng.getBonus());
        System.out.println("Gaji Manager: " + mng.getSalary());
    }
}
```

| 11 | `package package9;`
`class Person {`
`    String name = "Dori";`
`    int age = 21;`
`}`

`class Lecture extends Person {`
`    float salary = 4000f;`
`    String name = "Rismon";`
`    int age = 47;`

`    public void showInfo() {`
`        System.out.println("Name :" + this.name);`
`        System.out.println("Age :" + this.age);`
`        System.out.println("Salary : $" + salary);`
`    }`
`}`

`public class jsp709 {`
`    public static void main(String[] args) {`
`        Lecture rismon = new Lecture();` | `Name :Rismon`
`Age :47`
`Salary : $4000.0` |

| | ```
        rismon.showInfo();
    }
}
``` | |
| 12 | ```
package package9;

import java.util.Date;

class Employee {
    private static final double BASE_SALARY = 15000.00;
    private String name;
    private double salary;
    private Date birthDate;

    public Employee(String name, double salary, Date DoB) {
        this.name = name;
        this.salary = salary;
        this.birthDate = DoB;
    }

    public Employee(String name, double salary) {
        this(name, salary, null);
    }

    public Employee(String name, Date DoB) {
        this(name, BASE_SALARY, DoB);
    }

    public Employee(String name) {
        this(name, BASE_SALARY);
    }

    public String getName() {
        return name;
    }
}

class Manager extends Employee {
    private String department;

    public Manager(String name, double salary, String dept) {
        super(name, salary);
``` | ```
Name: Dori
Department: Electrical
``` |

```java
            department = dept;
        }

    public Manager(String name, String dept) {
        super(name);
        department = dept;
    }

    public String getDepartment() {
        return department;
    }
}

public class jsp709 {
    public static void main(String[] args) {
        Employee man = new Manager("Dori", 16000.00,
"Electrical");

        if (man instanceof Manager) {
            Manager manager = (Manager) man;
            System.out.println("Name: " + man.getName());
            System.out.println("Department: " +
manager.getDepartment());
        }
    }
}
```