# Tugas Modul 4
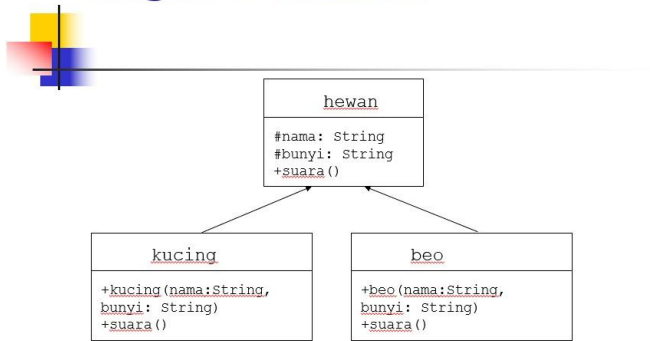
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1. Tugas 1 : Abstrak

## Tugas 1: abstrak



Jawaban :

```
abstract class hewan {
    protected String nama;
    protected String bunyi;
    public abstract void suara();
}

class kucing extends hewan {
    public kucing() {
        this.nama = "mili";
        this.bunyi = "meong";
    }
    public void suara() {
        System.out.println(nama + "bersuara : " + bunyi);
    }
}

class beo extends hewan {
    public beo() {
        this.nama = "beoku";
        this.bunyi = "halo";
    }
    public void suara() {
        System.out.println("" + nama + "bersuara : " + bunyi);
    }
}

public class tugas1 {
    public static void main(String[] args) {
        hewan k = new kucing();
        hewan b = new beo();
        k.suara();
        b.suara();
    }
}
```
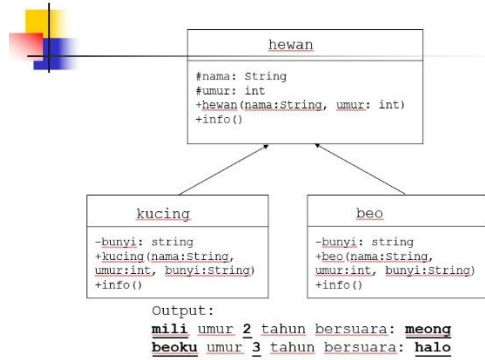
2. Tugas 2 : Superkelas

## Tugas 2: superkelas



```
Output:
mili umur 2 tahun bersuara: meong
beoku umur 3 tahun bersuara: halo
```

Jawaban :

```java
class hewan {
    protected String nama;
    protected int umur;
    public void hewan(String nama, int umur) {
        this.nama = nama;
        this.umur = umur;
    }
    public void info() {
        System.out.print(nama);
        System.out.print(" umur " + umur + " tahun ");
    }
}

class kucing extends hewan {
    private String bunyi;
    public kucing(String nama, int umur, String bunyi) {
        super.hewan(nama, umur);
        this.bunyi = bunyi;
    }
    public void info() {
        super.info();
        System.out.println("bersuara: " + bunyi);
    }
}

class beo extends hewan {
    private String bunyi;
    public beo(String nama, int umur, String bunyi) {
        super.hewan(nama, umur);
        this.bunyi = bunyi;
    }
    public void info() {
        super.info();
        System.out.println("bersuara: " + bunyi);
    }
}

public class tugas2 {
    public static void main(String[] args) {
        kucing k = new kucing("mili", 2, "meong");
        beo b = new beo("beoku", 3, "halo");
        k.info();
        b.info();
    }
}
```