

Nama : Piky Paelani  
Nim : 20220040103  
Kelas : TI22J

Tugas percobaan 5  
Praktikum-inheritance

```
public class SadObject extends MoodyObject {
    protected String getSad() {
        return "sad";
    }
    public void cry() {
        System.out.println("Hoo hoo : " + getSad());
    }
}
```

```
public class MoodyTest {
    public static void main(String[] args) {
        MoodyObject m = new MoodyObject();
        SadObject sad = new SadObject();
        HappyObject happy = new HappyObject();

        m.speak();
        sad.cry();
        happy.laugh();
    }
}
```

```
public class HappyObject extends MoodyObject {
    protected String getHappy() {
        return "happy";
    }
    public void laugh() {
        System.out.println("Hahaha : " + getHappy());
    }
}
```

```
public class MoodyObject {
    protected String getMood() {
        return "moody";
    }
    public void speak() {
        System.out.println("I am : " + getMood());
    }
}
```

```
run:
I am : moody
Hoo hoo : sad
Hahaha : happy
BUILD SUCCESSFUL (total time: 0 seconds)
```

Pada Percobaan berikut ini menunjukkan penggunaan kelas MoodyObject dengan subkelas HappyObject dan SadObject. Kelas MoodyTest digunakan untuk menguji kelas dan subkelas dalam menjalankan sebuah Program

1. SadObject berisi : sad, method untuk menampilkan pesan, tipe public
2. HappyObject berisi : laugh, method untuk menampilkan pesan, tipe public
3. MoodyObject berisi :
  - getMood, memberi nilai mood sekarang, tipe public, return type string
  - Speak, menampilkan mood, tipe public

