OOP

```
//-------------------------------------------
// class   - till es-5
//-------------------------------------------

// function Person(name,age){
//     this.name=name
//     this.age=age
// }
// Person.prototype.sayName=function(){
//     console.log("im "+this.name);
// }

// var p1=new Person("Nag",36)

//-------------------------------------------
// from ES6
//-------------------------------------------

class Person {
    constructor(name, age) {
        this.name = name
        this.age = age
        console.log("Person:: constructor")
    }
    sayName() {
        console.log("im " + this.name);
    }
}

// let p = new Person('P', 36)

//-------------------------------------------

class Employee extends Person {
    constructor(name, age, salary) {
        // this.name = name
        // this.age = age
        super(name, age)
        this.salary = salary
        console.log("Employee:: constructor")
    }
    // sayName() {
    //     console.log("im " + this.name);
    // }
    saySalary() {
        console.log("i wont")
    }
    askForBonus() {
        return this.salary * 0.02;
    }
}

let e = new Employee("E", 36, 1000.00);

//-------------------------------------------
```

```
class Boss extends Employee {
    // override
    askForBonus() {
        return this.salary * 0.2 + super.askForBonus();
    }
}


let boss = new Boss("B", 36, 1000);

//-----------------------------------------------

class Abc {
    objMethod() {
        console.log("obj method");

    }
    static classMethod() {
        console.log("class method")
    }
}
Abc.staVar = 0;

Abc.classMethod();

let obj = new Abc();
obj.objMethod()


//-----------------------------------------------
// Quiz
//-----------------------------------------------



// let o = new SomeClass(); // ReferenceError: Cannot access 'SomeClass' before initialization

class SomeClass {

}


//-----------------------------------------------
```