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//super class

```
public class Employee {
    private int empId;
    private String empName;
    private MyDate joiningDate;

    public Employee(){
        empId=101;
        empName="John";
        joiningDate=new MyDate();
    }
    public Employee(int eid,String nm,MyDate jd){
        empId=eid;
        empName=nm;
        joiningDate=jd;
    }
    public void display(){
        System.out.println("Employee Id="+empId);
        System.out.println("Employee Name="+empName);
        System.out.println("Joining Date=");
        joiningDate.display();
    }
    public int getEmpId() {
        return empId;
    }
    public void setEmpId(int empId) {
        this.empId = empId;
    }
    public String getEmpName() {
        return empName;
    }
    public void setEmpName(String empName) {
        this.empName = empName;
    }
    public MyDate getJoiningDate() {
        return joiningDate;
    }
    public void setJoiningDate(MyDate joiningDate) {
        this.joiningDate = joiningDate;
    }
}
```

```

public class MyDate {
    private int day;
    private int month;
    private int year;
    public MyDate() {
        day=1;
        month=2;
        year=2010;
    }
    public MyDate(int day, int month, int year) {
        this.day = day;
        this.month = month;
        this.year = year;
    }
    public int getDay() {
        return day;
    }
    public void setDay(int day) {
        this.day = day;
    }
    public int getMonth() {
        return month;
    }
    public void setMonth(int month) {
        this.month = month;
    }
    public int getYear() {
        return year;
    }
    public void setYear(int year) {
        this.year = year;
    }

    public void display(){
        System.out.println("Day="+day);
        System.out.println("Month="+month);
        System.out.println("Year="+year);
    }
}

```

```

public class TestEmp {
    public static void main(String[] args) {
        WageEmployee we1=new WageEmployee();
        WageEmployee we2=new WageEmployee(102,"krish",new MyDate(6, 7, 2010),200,120);
        we1.display();
        System.out.println("_____");
    };
    we2.display();
}

```

```

        System.out.println("_____");
    };

    WageEmployee we3=new WageEmployee();
    we3.setEmpId(103);
    we3.setEmpName("Robert");
    we3.setJoiningDate(new MyDate(5,6,2012));
    we3.setHours(300);
    we3.setRate(450);

    System.out.println("EMP Id="+we3.getEmpId());
    System.out.println("EMP Name="+we3.getEmpName());
    System.out.println("Joining Date=");
    we3.getJoiningDate().display();

    System.out.println("Hours="+we3.getHours());
    System.out.println("Rate="+we3.getRate());
    System.out.println("Total Salary="+we3.calculateSalary());

}
}

```

```

//subclass
public class WageEmployee extends Employee{
    private int hours;
    private double rate;

    public WageEmployee(){
        //super(); //Employee()
        hours=100;
        rate=250;
    }

    public WageEmployee(int eid,String nm,MyDate jd,int hrs,double rt){
        super(eid,nm,jd); //Employee(...)
        hours=hrs;
        rate=rt;
    }

    //Method Overriding
    public void display(){
        super.display();
        System.out.println("Hours="+hours);
        System.out.println("Rate="+rate);
        System.out.println("Total Salary="+calculateSalary());
    }

    //business method
    public double calculateSalary(){
        return hours * rate;
    }

    public int getHours() {

```

```

        return hours;
    }

    public void setHours(int hours) {
        this.hours = hours;
    }

    public double getRate() {
        return rate;
    }

    public void setRate(double rate) {
        this.rate = rate;
    }
}

```

-----OUTPUT-----

Employee Id=101
 Employee Name=John
 Joining Date=
 Day=1
 Month=2
 Year=2010
 Hours=100
 Rate=250.0
 Total Salary=25000.0

Employee Id=102
 Employee Name=krish
 Joining Date=
 Day=6
 Month=7
 Year=2010
 Hours=200
 Rate=120.0
 Total Salary=24000.0

EMP Id=103
 EMP Name=Robert
 Joining Date=
 Day=5
 Month=6
 Year=2012
 Hours=300
 Rate=450.0
 Total Salary=135000.0