```java
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Ref. No. SCS/CG/2021/024
//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;
        }


}
```

```java
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();
```

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        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() {
```

```java
            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
```