Instructions

1. Create an interface named **IEmployee** which will have some methods named below.
Those Whose position referred to middle *even* they should implement CalculateSalary,
***otherwise* implement GetJobDuration**

```
   double CalculateSalary();
   void ShowDetails();
   int GetJobDurationMonth();
```

2. Create an abstract class named Employee which will implement IEmployee interface which have following properties.

```
Name, JoiningDate
```

3. Create two subclass which extend Employee superclass. One is FullTimeEmployee another one is PartTimeEmployee
4. FullTimeEmployee has some other properties below

```
MonthlySalary, OvertimeWorkHours, OvertimeSalaryRatePerHour
```

5. PartTimeEmployee has some other properties below

```
MonthlyWorkHours, SalaryRatePerHour
```

6. Main Method

```java
public static void main(String[] args) {
    // TODO code application logic here
    FullTimeEmployee Sourov = new FullTimeEmployee(100000, 4, 10000, "Sourov
Ahmed", new Date(2013-1900, 2, 23));
    PartTimeEmployee Rifat = new PartTimeEmployee(20, 500, "Mamun Ur Rashid", new
Date(2020-1900, 5, 2));

    IEmployee[] employees = {Sourov, Rifat};

    for(int i=0; i<employees.length;i++){
        employees[i].ShowDetails();
        System.out.println("Monthly Salary : "+ employees[i].CalculateSalary());
```

```
        System.out.println("Job Duration(Month) : " + employees[i].GetJobDurationMonth());
    }
}
```

7. For GetJobDuration() method follow the procedure

1. Get now= new Date();
2. Return (now.year - JoiningDate.year)*12 + now.month–JoiningDate.month

8. For CalculateSalary9) method follow the procedure

FullTime Employee : MonthlySalary+ OvertimeWorkHours * OvertimeSalaryRatePerHour
FullTime Employee: MonthlyWorkHours * SalaryRatePerHour

9. Output

```
run:
Empoyee Information ------------------
Name          : Sourov Ahmed
Joining Date : Sat Mar 23 00:00:00 BDT 2013
Monthly Salary : 140000.0
Job Duration(Month) : 105
Empoyee Information ------------------
Name          : Mamun Ur Rashid
Joining Date : Tue Jun 02 00:00:00 BDT 2020
Monthly Salary : 10000.0
Job Duration(Month) : 18
BUILD SUCCESSFUL (total time: 0 seconds)
```