```java
import java.util.*;
class book{
String booktitle;
String author;
int no_of_pages;
double price;
Scanner sc=new Scanner(System.in);
book()
{
    booktitle="";
    author="";
    no_of_pages=0;
    price=0;
}
void getdetails()
{
    System.out.print("enter the book title");
    booktitle=sc.nextLine();
    System.out.print("enter author name");
    author=sc.nextLine();
    System.out.print("enter the price of the book");
    price=sc.nextDouble();
    System.out.print("enter the number of pages");
    no_of_pages=sc.nextInt();
}
public String toString()
{
    return("bookname="+booktitle+"author="+author+"book price="+price+"pages="+no_of_pages);
}
}
```

```java
public class books
{
    public static void main(String[] args)
    {
        int i,a;
        Scanner in=new Scanner(System.in);
        System.out.println("enter no of books:");
        a=in.nextInt();
        book[] b=new book[a];
        for(i=0;i<a;i++)
        {
            System.out.println("enter details of the book"+(i+1));
            b[i]=new book();
            b[i].getdetails();
        }
        for(i=0;i<a;i++)
        {
            System.out.println(b[i]);
        }
    }
}
```

Result

compiled and executed in 44.49 sec(s)

```
enter no of books:
2
enter details of the book1
enter the book title meluha
enter author name amit
enter the price of the book 250
enter the number of pages300
enter details of the book2
enter the book title murder on the orient express
enter author name agatha cristie
enter the price of the book 300
enter the number of pages350
bookname= meluhaauthor= amitbook price=250.0pages=300
bookname= murder on the orient express author= agatha cristie book price=300.0pages=350
```

```java
import java.util.Scanner;
class employee
{
    String empid,empname;
    int empnohrs;
    double empbasic,emphre,empda,empgross,empit;
    void accept()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("enter employee id:");
        empid=sc.nextLine();
        System.out.println("enter name:");
        empname=sc.nextLine();
        System.out.println("enter no of hours:");
        empnohrs=sc.nextInt();
        System.out.println("enter basic salary hre da and it in percentage:");
        empbasic=sc.nextDouble();
        emphre=sc.nextDouble();
        empda=sc.nextDouble();
        empit=sc.nextDouble();

    }
    void calculate()
    {
        double extra =0.0;
        empgross=empbasic+empbasic*emphre+empbasic*emphre-empbasic*empit;
        if(empnohrs>200)
        extra=(empnohrs-200)*10;
        if(empnohrs<200)
        extra=-(empnohrs-200)*10;
      System.out.println("gross salary="+empgross);
      empgross=empgross+extra;
      if(extra==0.0)
      System.out.println("no change in salary after considering no of hours of work \n final salary:"+empgross);
```

```
35        else if(extra>0.0)
36            {
37                System.out.println("overtime amount:"+extra);
38                System.out.println("final salary:"+empgross);
39            }
40            else
41            {
42                System.out.println("salary reduced"+extra);
43                System.out.println("final salary:"+empgross);
44            }
45        }
46    }
47
48        public class salary{
49        public static void main(String []args)
50        {
51            employee obj=new employee();
52            obj.accept();
53            obj.calculate();
54
55        }
56
57    }
58
```

Result

compiled and executed in 14.499 sec(s)

```
enter employee id:
sd234
enter name:
shiv
enter no of hours:
12
enter basic salary hre da and it in percentage:
20
60
10
10
gross salary=2220.0
overtime amount:1880.0
final salary:4100.0
```

```java
import java.util.*;
class age
{
    int years,months,newage;
    String name;


    int accept()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("enter name:");
        name=sc.nextLine();
        System.out.println("enter age in years and months respectively:");
        years=sc.nextInt();
        months=sc.nextInt();
        newage=years*12+months;
        return newage;
    }
    int calculate(int x,int y)
    {
        if(x>y)
        return 1;
        else
        return 0;
    }
}


    public class abc{
        public static void main(String []args)
        {
            int m,n,g;
            age obj1=new age();
            age obj2=new age();
            m=obj1.accept();
            n=obj2.accept();
            g=obj2.calculate(m,n);
            if(g==1)
            System.out.println(obj1.name+" is the elder person");
            if(g==0)
            System.out.println(obj2.name+" is the elder person");
        }
    }

```

Result

compiled and executed in 19.554 sec(s)

```
enter name:
brent
enter age in years and months respectively:
20
3
enter name:
gagan
enter age in years and months respectively:
18
5
brent is the elder person
```