

```
import java.util.Scanner;
class Employee{
    public int empid,empnohrs;
    public double empbasic,emphra,empda,empit,empgross,n,Tsal;
    public String empname;
    void acceptdetails(){
        Scanner ss=new Scanner(System.in);
        System.out.println("Enter employee ID");
        empid=ss.nextInt();
        System.out.println("Enter employee name");
        empname=ss.next();
        System.out.println("Enter number of hours employee worked");
        empnohrs=ss.nextInt();
        System.out.println("Enter basic salary of emp");
        empbasic=ss.nextDouble();
        System.out.println("Enter emp HRA");
        emphra=ss.nextDouble();
        System.out.println("Enter emp DA");
        empda=ss.nextDouble();
        System.out.println("Enter emp IT");
        empit=ss.nextDouble();
    }

    void empgrossscal(){
        empgross=empbasic+empbasic*(emphra/100)+empbasic*(empda/100)-empbasic*(empit/100);
    }

    void overtime(){
        if(empnohrs>200.0){
            n=empnohrs-200.0;
            Tsal= empgross + (n*100.0);
            System.out.println("The gross salary of employee is:"+Tsal);
        }else{
            n=200-empnohrs;
            Tsal=empgross-(n*100.0);
            System.out.println("The gross salary of employee is:"+Tsal);
        }
    }
}

class Wk5extr1
{
}
```



```
empid=ss.nextInt();
System.out.println("Enter employee name");
empname=ss.next();
System.out.println("Enter number of hours employee worked");
empnohrs=ss.nextInt();
System.out.println("Enter basic salary of emp");
empbasic=ss.nextDouble();
System.out.println("Enter emp HRA");
emphra=ss.nextDouble();
System.out.println("Enter emp DA");
empda=ss.nextDouble();
System.out.println("Enter emp IT");
empit=ss.nextDouble();
}

void empgrosscal(){
    empgross=empbasic+empbasic*(emphra/100)+empbasic*(empda/100)-empbasic*(empit/100);
}

void overtime(){
    if(empnohrs>200.0){
        n=empnohrs-200.0;
        Tsal= empgross + (n*100.0);
        System.out.println("The gross salary of employee is:"+Tsal);
    }else{
        n=200-empnohrs;
        Tsal=empgross-(n*100.0);
        System.out.println("The gross salary of employee is:"+Tsal);
    }
}

}

class Wk5extr1
{
    public static void main(String args[]){
        Employee emp=new Employee();
        emp.acceptdetails();
        emp.empgrosscal();
        emp.overtime();
    }
}
```



C:\WINDOWS\system32\cmd.exe

Microsoft Windows [Version 10.0.18362.1082]  
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\AKSHAY RASTOGI>cd desktop

C:\Users\AKSHAY RASTOGI\Desktop>cd java prog

C:\Users\AKSHAY RASTOGI\Desktop\java prog>javac Wk5extr1.java

C:\Users\AKSHAY RASTOGI\Desktop\java prog>java Wk5extr1

Enter employee ID

123

Enter employee name

dsfew

Enter number of hours employee worked

221

Enter basic salary of emp

33000

Enter emp HRA

223

Enter emp DA

54

Enter emp IT

56

The gross salary of employee is:108030.0

C:\Users\AKSHAY RASTOGI\Desktop\java prog>

## Extra Programs (Week 5)

Ans 1- import java.util. Scanner;  
class Employee {  
public int empid, empnohrs;  
public double empbasic, emphra, empda, empit, empgross, n, Tsal;  
public String empname;  
void acceptdetails() {  
Scanner ss = new Scanner(System.in);  
System.out.println("Enter Employee ID");  
empid = ss.nextInt();  
System.out.println("Enter Employee name");  
empname = ss.next();  
System.out.println("Enter number of ~~hrs~~ hours employee worked");  
empnohrs = ss.nextInt();  
System.out.println("Enter basic salary of emp");  
empbasic = ss.nextDouble();  
System.out.println("Enter emp HRA");



```

empbaa = ss.nextDouble();
System.out.println("Enter emp DA ");
empda = ss.nextDouble();
System.out.println("Enter emp IT");
empit = ss.nextDouble();
}

```

```

void empgrosscal() {
    empgross = empbasic + empbasic * (empbaa/100) + empbasic * (empda/100) -
        empbasic * (empit/100);
}

```

```

void overtime() {
    if (empnothour > 200.0) {
        n = empnothour - 200.0;
        Tsal = empgross + (n * 100.0);
        System.out.println("The gross salary of employee is : " + Tsal);
    } else {
        n = 200 - empnothour;
        Tsal = empgross - (n * 100.0);
        System.out.println("The gross salary of employee is : " + Tsal);
    }
}
}
}

```

```

class Wk5extra1 {
    public static void main (String args[]) {
        Employee emp = new Employee();
        emp.acceptdetails();
        emp.empgrosscal();
        emp.overtime();
    }
}

```



File Edit Format View Help

```
import java.util.Scanner;
class Age{
int years,months;

void getdata(){
Scanner ss=new Scanner(System.in);
System.out.println("Enter the Years you have lived =");
years=ss.nextInt();
System.out.println("Enter the Months you have lived =");
months=ss.nextInt();
while(months>=12)
{
months=months-12;
years++;
}
}
}

class Wk5extr2{
public static void main(String[] args){
String name1="Shyam";
String name2="Ram";
Age a1=new Age();
Age a2=new Age();
System.out.println(name1+" Enter your Age");
a1.getdata();
System.out.println(name2+" Enter your Age");
a2.getdata();

if(a1.years>a2.years)
System.out.println(name1+" is the Elder");
if((a1.years==a2.years) && (a1.months>a2.months))
System.out.println(name1+" is the Elder");
if(a2.years>a1.years)
System.out.println(name2+" is the Elder");
if((a1.years==a2.years) && (a2.months>a1.months))
System.out.println(name2+" is the Elder");
if((a1.years==a2.years) && (a2.months==a1.months))
System.out.println(name1+" and "+name2+" are of equal age");
}
}
```



Select C:\WINDOWS\system32\cmd.exe

Microsoft Windows [Version 10.0.18362.1082]  
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\AKSHAY RASTOGI>cd desktop

C:\Users\AKSHAY RASTOGI\Desktop>cd java prog

C:\Users\AKSHAY RASTOGI\Desktop\java prog>javac Wk5extr2.java

C:\Users\AKSHAY RASTOGI\Desktop\java prog>java Wk5extr2

Shyam Enter your Age

Enter the Years you have lived =

17

Enter the Months you have lived =

78

Ram Enter your Age

Enter the Years you have lived =

22

Enter the Months you have lived =

5

Shyam is the Elder

C:\Users\AKSHAY RASTOGI\Desktop\java prog>\_



```
Ans 2 = import java.util.Scanner;  
class Age {  
    int years, months;
```

```
    void getdata() {
```

```
        Scanner sc = new Scanner(System.in);
```

```
        System.out.println("Enter the Years you have lived = ");
```

```
        years = sc.nextInt();
```

```
        System.out.println("Enter the months years you have lived = ");
```

```
        months = sc.nextInt();
```

```
        while (months year >= 12) {
```

```
            months = months - 12;
```

```
            years ++;
```

```
        }
```

```
    }
```

```
}
```

```
class Wk5extra2 {
```

```
    public static void main(String args[]) {
```

```
        String name1 = "Shyam";
```

```
        String name1 name2 = "Ran";
```

```
        Age a1 = new Age();
```

```
        Age a2 = new Age();
```

```
        System.out.println(name1 + "Enter your age");
```

```
        a1.getdata();
```

```
        System.out.println(name2 + "Enter your age");
```

```
        a2.getdata();
```

```
        if (a1.years > a2.years)
```

```
            System.out.println(name1 + "is the Elder");
```

```
        if (a1.years == a2.years && (a1.months > a2.months))
```

```
            System.out.println(name1 + "is the Elder");
```



```
if(a2.years > a1.years)
    System.out.println(name2 + "is the (lder)");
if((a2.years == a1.years) && (a1.months < a2.months))
    System.out.println(name2 + "is the (lder)");
if((a2.years == a1.years) && (a1.months == a2.months))
    System.out.println(name1 + "and" + name2 + "are of equal age");
}
```