

Ans1:-

```
import java.util.Scanner;
```

```
class Employee{
```

```
    public int empid,empnohrs;
```

```
    public double empbasic,emphra,empda,empit,empgross,n,Tsal;
```

```
    public String empname;
```

```
    void getd(){
```

```
        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 egs(){
```

```
        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 Testj
{
    public static void main(String args[]){
        Employee emp=new Employee();

        emp.getd();

        emp.egs();

        emp.overtime();

    }
}
```

Week 5
Enter prog

```
import java.util.Scanner;  
class Employee {  
    public int empid, empstatus;  
    public double empbasic, empbwa, empda, empit, empgross,  
        ar, Tsal;  
    public String empname;  
    void get() {  
        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 no of hours employee worked");  
        empstatus = ss.nextInt();  
        System.out.println("Enter basic salary of employee");  
        empbasic = ss.nextDouble();  
        System.out.println("Enter employee HRA");  
        empbwa = ss.nextDouble();  
        System.out.println("Enter employee DA");  
        empda = ss.nextDouble();  
        System.out.println("Enter emp IT");  
        empit = ss.nextDouble();  
    }  
}
```

```
void egs() {  
    empgross = empbasic + empbasic * (empbwa/100) + empbasic  
    empda/100 - empbasic * (empit/100);  
}
```

```
void overtime () {
```

```
    if (empHours > 200.0) {
```

```
        n = empHours - 200.0;
```

```
        Total = empGross + (n * 100.0);
```

```
        System.out.println("The gross salary: " + Total);
```

```
    }
```

```
}
```

```
class TestJ {
```

```
    public static void main () {
```

```
        Employee emp = new Employee ();
```

```
        emp.getd ();
```

```
        emp.egs ();
```

```
        emp.overtime ();
```

```
    }
```

```
}
```

```
Command Prompt
Microsoft Windows [Version 10.0.19041.508]
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C:\Users\Ansh>cd Java programs

D:\Java programs>javac Test.java
error: Class names, 'Test.java', are only accepted if annotation processing is explicitly requested
1 error

D:\Java programs>javac Test.java

D:\Java programs>java Testj
Enter employee ID
23
Enter employee name
ANSH
Enter number of hours employee worked
300
Enter basic salary of emp
50000
Enter emp HRA
500
Enter emp DA
600
Enter emp IT
7000
The gross salary of employee is:-289000.0

D:\Java programs>
```

Ansh2:-

```
import java.util.Scanner;
```

```
class Age{
```

```
int y,m;
```

```
void getdata(){
```

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

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

```
    y=ss.nextInt();
```

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

```
    m=ss.nextInt();
```

```
while(m>=12)
{
    m=m-12;
    y++;
}
}
}
```

```
class Testj{
    public static void main(String[] args){
        String name1="Samuel";
        String name2="Rahul";
        Age a1=new Age();
        Age a2=new Age();
        System.out.println(name1);
        a1.getdata();
        System.out.println(name2);
        a2.getdata();

        if(a1.y>a2.y)
            System.out.println(name1+ " is the Elder");
        if((a1.y==a2.y) && (a1.m>a2.m))
            System.out.println(name1+ " is the Elder");

        if(a2.y>a1.y)
            System.out.println(name2+ " is the Elder");
        if((a1.y==a2.y) && (a2.m>a1.m))
            System.out.println(name2+" is the Elder");

        if((a1.y==a2.y) && (a2.m==a1.m))
            System.out.println(name1+ " and " +name2+ " are of equal age");
    }
}
```

}

}

```

import java.util.Scanner;
class Age1 {
    int y, m;
    void getData() {
        Scanner ss = new Scanner(System.in);
        System.out.println("Enter the years you have lived");
        y = ss.nextInt();
        System.out.println("Enter the months you have lived");
        m = ss.nextInt();
        while (m > 12) {
            m = m - 12;
            y++;
        }
    }
}

```

```

3
3
class Test1 {
    public static void main (String[] args) {
        String name1 = "Samuel";
        String name2 = "Rakul";
        Age a1 = new Age();
        Age a2 = new Age();
        System.out.println(name1);
        a1.getData();
        System.out.println(name2);
        a2.getData();
        if (a2.y > a1.y)
            System.out.println(name2 + " is elder");
        if (a1.y >= a2.y) && (a2.m > a1.m)
            System.out.println(name2 + " is older");
    }
}

```



```
if (a1.y == a2.y) && (a1.m == a2.m)
    System.out.println(name1 + " and " + name2 + " are
        of equal age");
```

```
if (a1.y > a2.y)
    System.out.println(name1 + " is elder);
if (a1.y == a2.y) && (a1.m > a2.m)
    System.out.println(name1 + " is elder);
```

3
3

```
Command Prompt
D:\Java programs>javac Test.java
D:\Java programs>java Testj
Samuel
Enter the Years you have lived =
23
Enter the Months you have lived =
6
Rahul
Enter the Years you have lived =
23
Enter the Months you have lived =
7
Rahul is the Elder
D:\Java programs>
```