

Terminal Help

employeeemain.java - jv - Visual Studio Code

employeeemain.java X AgeMain.java

employeeemain.java > Employee > empit

```
1  import java.util.Scanner;
2  class Employee
3  {
4      Employee()
5      {
6          empgross=0.0;
7      }
8      int eid;
9      String ename;
10     int hrs;
11     double ebasic;
12     double emphra;
13     double empda;
14     double empit;
15     double empgross;
16     void get()
17     {
18         Scanner s=new Scanner(System.in);
19         System.out.println("ENTER THE ID OF EMPLOYEE");
20         eid=s.nextInt();
21         System.out.println("ENTER NAME OF EMPLOYEE");
22         ename=s.next();
23         System.out.println("ENTER THE NUMBER OF HOURS WORKED");
24         hrs=s.nextInt();
25         System.out.println("ENTER BASIC AMT OF EMPLOYEE");
26         ebasic=s.nextDouble();
27         System.out.println("ENTER THE PERCENTAGE OF HRA");
28         emphra=s.nextDouble();
29         System.out.println("ENTER THE PERCENTAGE OF DA");
30         empda=s.nextDouble();
31         System.out.println("ENTER THE PERCENTAGE OF IT");
32         empgross=s.nextDouble();
33     }
34     double calculategross()
35     {
36         empgross=ebasic+ebasic*(emphra/100)+ebasic*(empda/100)-ebasic*(empit/100);
37         return empgross;
38     }
```

```

39     double finalgross()
40     {
41         if(hrs>200)
42             empgross=empgross+100*(hrs-200);
43         else
44             empgross=empgross-100*(200-hrs);
45         return empgross;
46     }
47 }
48 class employeemain
49 {
50     Run | Debug
51     public static void main(String args[])
52     {
53         Scanner ss=new Scanner(System.in);
54         System.out.println("ENTER THE NUMBER OF EMPLOYEES");
55         int n=ss.nextInt();
56         Employee emp[]=new Employee[n];
57         for(int i=0;i<n;i++)
58         {
59             System.out.println("ENTER THE DETAILS OF EMPLOYEE"+(i+1));
60             emp[i]=new Employee();
61             emp[i].get();
62         }
63         for(int i=0;i<n;i++)
64         {
65             System.out.println("THE INITIAL GROSS SALARY OF EMPLOYEE="+emp[i].calculategross());
66             System.out.println("THE FINAL GROSS SALARY OF EMPLOYEE="+emp[i].finalgross());
67         }
68     }

```

Visual Studio Code interface showing a Java project named "employeeemain.java". The Explorer pane on the left lists files under the "JV" folder, including "AgeMain.java", "Array.class", "Array.java", "Array2.class", "Array2.java", "Array3.class", "Array3.java", "Asg1\_10.class", "Asg1\_10.java", "Bill.java", "Book.java", "Bookin.class", "Bookmain.class", "Dimension.class", "Dimension.java", "Employee.class", "employeeemain.class", "employeeemain.java", "Lab2.class", "Lab2.java", "Lab3.class", "Lab3.java", "Lab31.class", "Lab31.java", "Main.class", "Main.java", "Quadratic.class", "Quadratic.java", and "Student.class". The "employeeemain.java" file is selected and highlighted in blue.

The Terminal pane on the right shows the output of the Java program execution in a PowerShell window. The output displays the program's logic for calculating the gross salary of an employee based on input details (number of employees, employee ID, name, hours worked, basic amount, HRA percentage, DA percentage, and IT percentage). The program calculates the initial gross salary and the final gross salary for two employees, Nakul and Arijit Singh.

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\Chaya Shetty\Desktop\jv> javac employeeemain.java
PS C:\Users\Chaya Shetty\Desktop\jv> java employeeemain
ENTER THE NUMBER OF EMPLOYEES
2
ENTER THE DETAILS OF EMPLOYEE1
ENTER THE ID OF EMPLOYEE
1
ENTER NAME OF EMPLOYEE
Milan
ENTER THE NUMBER OF HOURS WORKED
201
ENTER BASIC AMT OF EMPLOYEE
20000
ENTER THE PERCENTAGE OF HRA
8
ENTER THE PERCENTAGE OF DA
3
ENTER THE PERCENTAGE OF IT
4
ENTER THE DETAILS OF EMPLOYEE2
ENTER THE ID OF EMPLOYEE
2
ENTER NAME OF EMPLOYEE
Nakul
ENTER THE NUMBER OF HOURS WORKED
199
ENTER BASIC AMT OF EMPLOYEE
25000
ENTER THE PERCENTAGE OF HRA
6
ENTER THE PERCENTAGE OF DA
2
ENTER THE PERCENTAGE OF IT
3
THE INITIAL GROSS SALARY OF EMPLOYEE=22200.0
THE FINAL GROSS SALARY OF EMPLOYEE=22300.0
THE INITIAL GROSS SALARY OF EMPLOYEE=27000.0
THE FINAL GROSS SALARY OF EMPLOYEE=26900.0
PS C:\Users\Chaya Shetty\Desktop\jv>
```

The status bar at the bottom indicates the current file is "employeeemain.java" at line 14, column 18, with 4 spaces, UTF-8 encoding, and CRLF line endings. The bottom right corner shows the system clock as 19:17 on 13-10-2020.

AgeMain.java > Age > older(Age)

```
1  import java.util.Scanner;
2
3  class Age{
4      private int years;
5      private int months;
6      private double age;
7
8      void getDetails(){
9          Scanner sc = new Scanner(System.in);
10         System.out.println("How many years are you old?");
11         years = sc.nextInt();
12         System.out.println("How many months are you old?");
13         months = sc.nextInt();
14     }
15
16     String older(Age a){
17         this.age = this.years + (this.months / 12.0);
18         a.age = a.years + (a.months / 12.0);
19         if(this.age > a.age){
20             return "Person1";
21         }
22         else if(a.age > this.age){
23             return "Person2";
24         }
25         return "0";
26     }
27 }
```

```
28
29 public class AgeMain {
    Run | Debug
30 public static void main(String[] args) {
31     Age a1 = new Age();
32     Age a2 = new Age();
33     System.out.println("Enter 1st person's age");
34     a1.getDetails();
35     System.out.println("Enter 2nd person's age");
36     a2.getDetails();
37     String eq = a1.older(a2);
38     if(eq == "0"){
39         System.out.println("They're both of same age");
40     }
41     else{
42         System.out.println(eq + " is oldest among two.");
43     }
44 }
45 }
46 }
```

Visual Studio Code interface showing a Java project named "AgeMain.java".

**EXPLORER**

- OPEN EDITORS
- JV
  - Age.class
  - AgeMain.class
  - AgeMain.java (1)
  - Array.class
  - Array.java (1)
  - Array2.class
  - Array2.java (1)
  - Array3.class
  - Array3.java (1)
  - Asg1\_10.class
  - Asg1\_10.java (1)
  - Bill.java (1)
  - Book.java (1)
  - Bookin.class
  - Bookmain.class
  - Dimension.class
  - Dimension.java
  - Employee.class
  - employeeemain.class
  - employeeemain.java (2)
  - Lab2.class
  - Lab2.java
  - Lab3.class
  - Lab3.java
  - Lab31.class
  - Lab31.java (1)
  - Main.class
  - Main.java
  - Quadratic.class
- OUTLINE
- TIMELINE
- MAVEN

**TERMINAL**

Try the new cross-platform PowerShell <https://aka.ms/pscore6>

```
PS C:\Users\Chaya Shetty\Desktop\jv> javac AgeMain.java
PS C:\Users\Chaya Shetty\Desktop\jv> java AgeMain
Enter 1st person's age
How many years are you old?
25
How many months are you old?
5
Enter 2nd person's age
How many years are you old?
25
How many months are you old?
3
Person1 is oldest among two.
PS C:\Users\Chaya Shetty\Desktop\jv>
```

**STATUS BAR**

master\* 32 9 Ln 23, Col 30 Spaces: 4 UTF-8 CRLF Java JavaSE-14

Windows taskbar: Type here to search, Music, ARIJIT\_SINGH\_VERSION..., ENG, 19:24, 13-10-2020