

Practice - 5

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18M19CS061

➤ Java Program to create a class Employee with members empid, empname, empnohrs, empbasic, emphra (%), empda (%), empit (%), empgross.

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

```
class Employee  
{
```

```
    private int empid, empnohrs, h;
```

```
    private String empname;
```

```
    private double empbasic, emphra, empda, empit, empgross;
```

```
void accept()
```

```
{
```

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

```
    System.out.println("-----");
```

```
    System.out.println("Enter Employee id:");
```

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

```
    System.out.println("Enter Employee name:");
```

```
    empname = sc.next();
```

```
    System.out.println("Enter the Basic pay  
of the employee:");
```

```
    empbasic = sc.nextDouble();
```

```
    System.out.println("Enter the number of  
hours the employee  
has worked for:");
```

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

```
System.out.println("Enter the house rent  
allowance(%) :");
```

```
emphra = sc.nextDouble();
```

```
System.out.println("Enter dearness allowance  
(%.1 :");
```

```
empda = sc.nextDouble();
```

```
System.out.println("Enter Income tax(%.1:");
```

```
empit = sc.nextDouble();
```

```
}
```

```
void calculate() {
```

```
if (employee empnohrs > 200) {
```

```
    empgross = empbasic + ((empbasic * emphra) / 100) + ((empbasic * empda) / 100) - ((empbasic * empit) / 100) + ((empnohrs - 200) * 100);
```

```
}
```

```
else {
```

```
    empgross = empbasic + ((empbasic * emphra) / 100) + ((empbasic * empda) / 100) - ((empbasic * empit) / 100) - ((200 - empnohrs) * 100);
```

```
}
```

```
}
```

```
void display() {
```

```
    System.out.println("It *****");
```

```
System.out.println("In Employee details:");
```

```
System.out.println("ID: " + " " + empid);
```

```
System.out.println("NAME: " + " " + empname);
```

```
System.out.println("Empgross: " + " " + empgross);
```

```
}
```

```
}
```

```
class EmployeeMain {
```

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

```
{
```

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

```
System.out.println("Enter the number of  
employee : ");
```

```
int n = sc.nextInt();
```

```
Employee e[] = new Employee[n];
```

```
for (int i = 0; i < n; i++) {
```

```
System.out.println("Enter Employee"  
+ " " + (i + 1) + " details")
```

```
e[i].accept();
```

```
e[i].calculate();
```

```
}
```

```
for (int i = 0; i < n; i++) {
```

```
e[i].display();
```

```
}
```

```
}
```

```
}
```


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Q) Create a Class Age which has the members years & month.

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

```
class age {
```

```
    private int years, months;
```

```
    private String name;
```

```
    private int a;
```

```
    void accept() {
```

```
        System.out.println("Enter name : ");
```

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

```
        name = sc.next();
```

```
        System.out.println("Enter age in years  
and months : ");
```

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

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

```
    }
```

```
    int Calculate() {
```

```
        if (years > 1) {
```

```
            a = (years * 12) + months;
```

```
        }
```

```
        else {
```

```
            a = years + months;
```

```
        }
```

```
        return a;
```

```
    }
```

```
    void display() {
```

```
System.out.println(" Person with name "  
+ name + " " + "is elder" );
```

```
}
```

```
}
```

```
System.out.println()
```

```
Class Age main {
```

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

```
{
```

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

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

```
a1.accept();
```

```
a2.accept();
```

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

```
{
```

```
a1.display();
```

```
}
```

```
else {
```

```
a2.display();
```

```
}
```

```
}
```

```
}
```