



SEMESTRE MAYO- AGOSTO

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Activity: WS17 - Taxes

The screenshot shows the NetBeans IDE with the following components:

- Navigator:** Shows the project structure with packages like `ec.edu.espe.taxis.controller`, `ec.edu.espe.taxis.model`, and `ec.edu.espe.taxis.view`. The `TaxesSystem.java` file is selected.
- Source Editor:** Displays the `TaxesSystem.java` code. The code includes a `main` method that uses a `Scanner` to input monthly salary and employee type, then calculates and prints tax information.
- Output - WS10taxis (run):** Shows the execution results for three test cases:
 - Test Case 1:** Monthly salary 3920, public employee. Output: "Your salary is: 3920.0 and the total tax payable per month is: 346.18204, your monthly salary without taxes is: 3573.8179. Your salary annual is: 47040.0 and the total tax payable per year is: 4154.1846, your anual salary without taxes is: 42885.812".
 - Test Case 2:** Monthly salary 2000, private employee. Output: "Your salary is: 2000.0 and the total tax payable per month is: 73.97, your monthly salary without taxes is: 1926.03. Your salary annual is: 24000.0 and the total tax payable per year is: 887.64, your anual salary without taxes is: 23112.36".
 - Test Case 3:** Monthly salary 4200, private employee. Output: "Your salary is: 4200.0 and the total tax payable per month is: 395.77, your monthly salary without taxes is: 3804.23. Your salary anual is: 50400.0 and the total tax payable per year is: 4749.2397, your anual salary without taxes is: 45650.758".
- Build Status:** Shows "BUILD SUCCESSFUL (total time: 23 seconds)".



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```
4  /**
5  *
6  * @author Jefferson David Yezpe Moran, Bit Coders, DCCO -ESPE
7  */
8
9  public class TaxesSystem {
10     public static void main(String[] args) {
11         Taxes taxes = new Taxes();
12         for(int i = 0; i<3; i++){
13             Scanner scanner = new Scanner(System.in);
14             System.out.println("Enter monthly salary");
15             float monthly = scanner.nextFloat();
16             System.out.println("Are you a public(1) or private(2) employee?");
17             int employee = scanner.nextInt();
18             float taxesValue = taxes.calculatingTaxesRent(monthly,employee);
19             float totalSalary = monthly - taxesValue;
20             System.out.println("Your salary is: " + monthly + " and the total tax payable per month is: " + taxesValue + ", your monthly salary is: " + totalSalary);
21             System.out.println("Your salary annual is: " + monthly*12 + " and the total tax payable per year is: " + taxesValue * 12 + ", your annual salary is: " + (monthly*12 - taxesValue*12));
22         }
23     }
24 }
25
```

Output - WS16taxis (run)

```
run:
Enter monthly salary
3920
Are you a public(1) or private(2) employee?
1
Your salary is: 3920.0 and the total tax payable per month is: 346.18204, your monthly salary without taxes is: 3573.8179
Your salary annual is: 47040.0 and the total tax payable per year is: 4154.1846, your annual salary without taxes is: 42885.812
Enter monthly salary
2000
Are you a public(1) or private(2) employee?
2
Your salary is: 2000.0 and the total tax payable per month is: 73.97, your monthly salary without taxes is: 1926.03
Your salary annual is: 24000.0 and the total tax payable per year is: 887.64, your annual salary without taxes is: 23112.36
Enter monthly salary
4200
```

```
25
26     if(monthly >= 0 && monthly < 11722){
27         monthly -= 0;
28         monthly /= 100;
29         monthly += 0;
30     }
31
32     }else if(monthly >= 11722 && monthly < 14930){
33         monthly -= 11722;
34         monthly /= 5;
35         monthly /= 100;
36         monthly += 0;
37     }
38     }else if(monthly >= 14930 && monthly < 19385){
39         monthly -= 14930;
40         monthly /= 10;
41         monthly /= 100;
42         monthly += 0;
43     }
44     }else if(monthly >= 19385 && monthly < 25638){
45         monthly -= 19385;
46         monthly /= 12;
47         monthly /= 100;
48         monthly += 0;
49     }
50 }
```

Output - WS16taxis (run)

```
run:
Enter monthly salary
3920
Are you a public(1) or private(2) employee?
1
Your salary is: 3920.0 and the total tax payable per month is: 346.18204, your monthly salary without taxes is: 3573.8179
Your salary annual is: 47040.0 and the total tax payable per year is: 4154.1846, your annual salary without taxes is: 42885.812
Enter monthly salary
2000
Are you a public(1) or private(2) employee?
2
Your salary is: 2000.0 and the total tax payable per month is: 73.97, your monthly salary without taxes is: 1926.03
Your salary annual is: 24000.0 and the total tax payable per year is: 887.64, your annual salary without taxes is: 23112.36
Enter monthly salary
4200
```