

### **Problem**

Problem : Create a program of payslip for employees, displayed in a table format, calculate the net salary after tax, installment, and insurance deductions.

### **Explanation**

First, we initialize the essential variables to store the data values, then we start with output questions for the user to input their name and salary. After that, we have to calculate the employee's net salary by deducting tax and fixed costs to his/her gross salary. At the end, the program will output the calculated amount of the net salary.

### **Benefit**

By using this program, users/employees in this case would be able to find and calculate their net salary simply by inputting their gross salary. This program would benefit them by calculating payslips more effectively, efficiently and accurately.

### **The Code Explained**

```
#include <iostream>
#include <string>
using namespace std;

string payslip(int n) {
    // header
    cout << "Payslip for Employee"; ⇒ output the title
    cout << "\n-----"; ⇒ output a barrier

    // variables
    string name; ⇒ initialize a string to store the user's name
    int sal; ⇒ initialize a integer to store the user's salary
    double tax = 0.2; ⇒ initialize an integer to store tax percentage
    int instal = 200000; ⇒ initialize an integer to store installment price
    int insur = 150000; ⇒ initialize an integer to store insurance price

    // input name
    cout << "\nName: "; ⇒ output question for the user to input their name
    cin >> name; ⇒ store the user's input of name to a string called "name"

    // input salary
    cout << "Gross Salary: Rp"; ⇒ output question for the user to input their salary
    cin >> sal; ⇒ store the user's input of salary to an integer called "sal"
```

```
// operations
int netax = sal*tax; ⇒ calculate the user's salary after taxes and store it in an integer called
"netax"
int net = sal-(netax+instal+insur); ⇒ calculate the user's net worth and store it in an integer
called "net"

// print
cout << "Tax (20%): Rp" << netax; ⇒ output the tax percentage
cout << "\nInstallment: Rp" << instal; ⇒ output the installment price
cout << "\nInsurance: Rp" << insur; ⇒ output the insurance price
cout << "\nNet Salary: Rp" << net; ⇒ output the net salary

return 0;
}
```