# Problem analysis, psedo code and flow chart for Q5

**5.1 problem analysis**

Input: Name, weekly working hour, bonus rate per hour, base salary

Process:

* gross salary = salary + (Working Hours \* bonus);
* Pension deduction = 0.05 \* gross salary;
* Tax deduction = 0.15 \* gross salary;
* Net salary = gross salary - pension deduction - tax deduction;
* Bonus payment = Working Hours \* bonus;

Out put: Print gross salary, net salary, bonus payment

**5.2 Psedocode**

Step 1: start

Step 2: enter Name, weekly working hour, bonus rate per hour, base salary

Step 3:gross\_salary = salary + (Working Hours \* bonus);

Pension deduction = 0.05 \* gross salary;

Tax deduction = 0.15 \* gross salary;

Net salary = gross salary - pension deduction - tax deduction;

Bonus payment = Working Hours \* bonus;

Step 4 : Print gross salary ,net salary, bonus payment

Step 5: end.

**5.3 Flow chart**

Print gross salary, net salary, bonus payment

Gross salary = salary + (Working Hours \* bonus)

Pension deduction = 0.05 \* gross salary

Tax deduction = 0.15 \* gross salary

net\_salary = gross\_salary - pension\_deduction - tax\_deduction;

bonus\_payment = WorkingHours \* bonus

Enter Name, weekly working hour, bonus rate per hour, base salary