

Problem analysis

Input- gross_salary, worked_hours, overtime_bonus_rate.

Process –

- calculate income tax. -Pension= $0.07 \times \text{gross_salary}$. -Overtime= $\text{gross_salary} \times \text{pension_rate}$. -
overtime_payment= $(\text{worked_hours}-40) \times \text{overtime_bonus_rate}$.
- net_salary= $(\text{gross_salary}-\text{pension}-\text{income_tax})+\text{overtime_payment}$. Output- net_salary.
- Pseudo code
- Step1:start.
- Step2:read gross_salary,worked_hours,overtime_bonus_rate.
- Step3:pension_rate=0.07.
- Step4:pension=gross_salarypension_rate.
- Step5:overtime_payment= $(\text{worked_hours}-40) \times \text{overtime_bonus_rate}$.
- Step6:if gross_salary ≤ 200 then, income_tax=0.else if gross_salary > 200 & gross_salary ≤ 600
income_tax=gross_salary0.1. else if gross_salary > 600 & gross_salary ≤ 1200 then,
income_tax=gross_salary0.15. else if gross_salary > 1200 & gross_salary ≤ 2000 then,
income_tax=gross_salary0.2. else if gross_salary > 2000 & gross_salary < 3500 then,
income_tax=gross_salary0.25. else income_tax=gross_salary0.3.
- Step7:net_salary= $(\text{gross_salary}-\text{pension}-\text{income_tax})+\text{overtime_payment}$.
- Step8:print net_salary.
- Step9:stop.

Flowchart

Income Calculator

