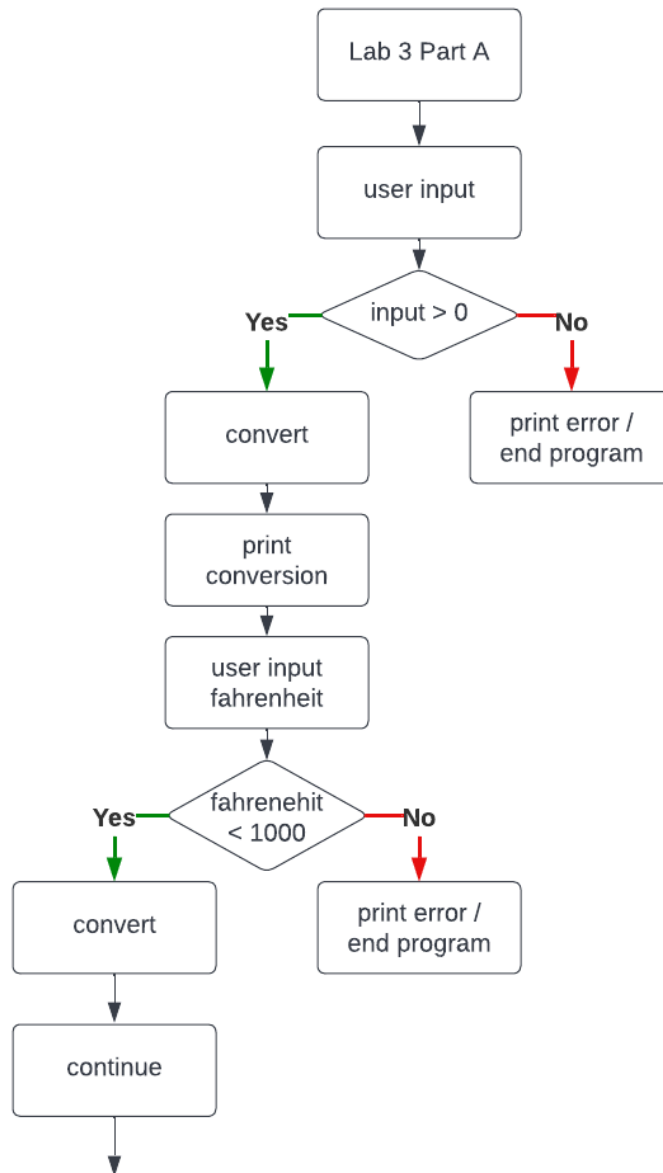


### Lab 3 Part a Logic Diagram

Edit previous code to produce errors using this if statement logical flow chart:



### **Lab 3 Part b Pseudo Code/Logic**

#### **User input:**

- User inputs sales person's name, sales made, months worked, time off total
- Calculate base pay: 2000 multiplied by months worked
- Create variable placeholders for user inputs, time deduction, sale bonus, and additional bonus

#### **Commission and sale bonus:**

- $\text{Commission} = \text{commission rate} \times 100$
- If statements using conditions to compare sales made to the commission chart for percentage:
- If employee has 3 months or more, sale bonus applies
- If employee has less than 3 months, only commission applies

#### **Five year bonus:**

- Five year calculation: year = 12 months, 5 years = 60 months
- If employee has worked 60 months or more, five year bonus = \$1000

#### **Time off deduction:**

- If employee has taken more than 3 days off in a month, deduction of \$200 applies
- To calculate if an employee has taken more than 3 days, use a month to time off ratio
- $\text{Month} = 30 \text{ days}$
- $\text{Month to time off ratio} = \text{days divided by time off}$

#### **Employee earnings:**

- $\text{Gross pay} = \text{commission} + \text{sale bonus} + \text{base salary} + \text{additional bonus}$
- $\text{Net pay} = \text{gross pay} - \text{deductions}$

#### **Print:**

Print must include: Name, time worked, base salary, commission in \$, sale bonus, additional bonus, deductions, gross pay, and net pay

- Must print to two decimal places
- Print with dollar signs
- Print a pay stub format