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'  
' Name: Habsatou War  
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'Assignment: Assignment1  
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Using Pseudo Code, write the algorithm to calculate gross and net pay and develop the test cases

- Gross pay :

Input :

hoursWorked

rate

Output :

grossPay

Overtime = hoursWorked – 40

**IF** hoursworked > 40 **THEN**

grossPay = hoursWorked \* rate + overtime \* rate \* 3/2

**ELSE**

grossPay = hoursWorked \* rate

**END IF**

Display grossPay

- Net Pay :

Input :

grossPay

Output:

netPay

**IF** grossPay < 400 **THEN**

Taxes = 0

' A

**ELSE IF** grossPay < 1000 and grossPay > 400 **THEN**

Taxes = (grossPay - 400) \* 0.05

'B

**ELSE**

Taxes1 = (grossPay - 1000) \* 0.1

Taxes2 = (grossPay - (grossPay - 1000) - 400) \* 0.05 'C

Taxes = Taxes1 + Taxes2

**END IF**

netPay = grossPay - Taxes

Display netPay

- Test Cases

Input data	Path	Expected results	Actual results
GrossPay = \$400	A	Taxes = 0 NetPay = \$400	Taxes = 0 NetPay = \$400
GrossPay = \$600	B	Taxes = \$10 NetPay = \$590	Taxes = \$10 NetPay = \$590
GrossPay = \$1200	C	Taxes = \$50 NetPay = \$1150	Taxes = \$50 NetPay = \$1150