

LAB 02

PSUEDOCODE

~~Q1 Pipe line production flow chart.~~

Q2 Find the maximum in any of 3 variables.

Start

Print "Input 3 numbers"

Read num1, num2, num3

If num1 \geq num2 AND num1 \geq num3

print "First number is the greatest"

Else If num2 \geq num1 AND num2 \geq num3

print "Second number is the greatest"

Else

print "Third number is the greatest"

End

Q3 Take 3 variable as input and add them without +.

Start

Print "Input 3 numbers"

Read num1, num2, num3

Calc sum = -(-num1 - num2 - num3)

Print sum

End.

Q4 Small calculator only "+" or "-"

Start

Print "Small Calculator"

Print "Input operation in the format a+b or a-b"

Read num1, Op, num2

If $Op == "+"$

Calc $sum = num1 + num2$

Else

Calc $sum = num1 - num2$

Print sum

End.

ALGORITHMS

Q1. nth divisor of number.

1. Ask the user to input dividend
2. Ask the user to input divisor
3. Calculate remainder of $dividend \div divisor$
4. If remainder = 0
Display "The input divisor is a perfect divider"
5. If remainder $\neq 0$
Display "The input divisor is not a perfect divider"
6. Calculate remainder of $dividend \div 2$
7. If remainder = 0
Display "The dividend is even"
8. Else
Display "The dividend is odd"

Q2 Number and months.

1. Assign numbers to months as :

1 \rightarrow January, 2 \rightarrow February, 3 \rightarrow March,
4 \rightarrow April, 5 \rightarrow May, 6 \rightarrow June, 7 \rightarrow July,
8 \rightarrow August, 9 \rightarrow September, 10 \rightarrow October,
11 \rightarrow November, 12 \rightarrow December.

2. Ask the user to input a number.

3. Read the input.

4. Display the month assigned to that number.

Q3 Simple Calculator.

1. Ask the user to input the problem in the format $a+b$, $a-b$ etc.

2. Read the inputted problem as num1, operator, num2.

3. Do the calculation on the numbers appropriate to the inputted operator (+ for addition, - for subtraction, * for multiplication, / for division and % for remainder).

4. Display the result of the calculation.