"Pseudocodes"

* Smallest number among 3

Start

// Input Output

Input number 1, number 2 & number 3

// Process Steps

Assume number 1 is smallest

    smallest = number 1

// Conditional Statements

Compare number 1 with number 2

 if number 2 < number 1 then, smallest = number 2

Else if

Compare the current smallest number with number 3

   & number 3 < smallest number then smallest = number 3

else

smallest = number 1

End

* Subtract two numbers without − operator :-

Start

// Input / Output

Input number 1 and number 2

// Subtraction Process Steps

Multiphy number 1 with '−1'

   neg. number = number 1

Add number 2 and neg number

number 2 + neg number = sum

Print sum

End

* Calculator for multiplication and division
  start

  Input number 1, number 2 and operator

  For operator, Use 'x' for multiplication and '÷' for division

  if operator == 'x'
  then number 1 x number 2, print product
  Else if
   operator = ÷
  check if number 2 is zero
  if number 2 = 0, Print Error
  else number 1 ÷ number 2 = result, print result
  Else
  Print 'Error' for invalid operator
  End.

* prime number through iteration:-
- start
- Read number
- Check if number $\leq$ 2, print 'not prime'
- else, divide the number with the possible divisors from 2 up
  to $\sqrt{number}$.
- if no divisors found other than 1 and number itself
- Print prime number.
- End.

* day number and corresponding day of the week
- Start
- Input day number
- Check if number lies in range of 1-365, if not print 'invalid'
- else using use module 7 for week day
- week day = (day number -1) % 7
- if week day = 0, print 'monday'
- else if week day = 1, 'print' tuesday'
- else if week day = 2, print 'wednesday'
- else if week day = 3, print 'Thursday'
- else if week day = 4, print 'Friday'
- else if week day = 5, print 'Saturday'
- else, print 'sunday'

  End

* GCD using euclidean algorithm:-
- Start
- Read two positive numbers
- Divide the larger number by smaller number and replace the larger number by the remainder repeatedly until one of the number becomes zero
- The non zero number will be the gcd
- Print gcd

  End.