Q: write Pseudocode to find Smallest number among three given variables implement a Decision making structure to compose the variables

```
Start

INPUT num 1
INPUT num 2
INPUT num 3

Process Smallest num =?

Condition
IF num 1 < num 2,
   num 1 < num 3.
   Smallest num 1
ELSE num 2 < num 1
      num 2 < num 3
      Smallest num 2
ELSE Smallest num 3

END
```

Q: Develop Pseudo code for a basic calculator that Perform * and ÷?

```
Start

Input (x,y)

IF operator == '*'
   z = x * y
ELSE IF operator == '÷'
   z = x / y
   (z is output)
End
```

Date:

Q: write an algorithm to determine whether a number is a Prime number. The algorithm should illetrate through Possible divisors and determine if the number has any divisor other than one

=> Take num as input
=> i=2
=> i<n ⇒ i=i+1
=> If num % i != 0
=> Display Prime number
=> END

Q: Create an algorithm that asks the user for a day number (1-365) and outputs the corresponding day of the week, assuming that January is Monday?

Ask user for a number day.
Ask num between (1 to 365)

January 1 is monday
day 1 is monday

day of week = (n-1)%7

7 days in a week (n-1) adjust day num to 0.

Result the day of week.