

Smallest among 3 numbers

Begin

OUTPUT ("Enter three numbers")

INPUT  $\rightarrow$  a, b, c

IF  $a \leq b$  and  $a \leq c$  THEN {

OUTPUT (a)

} ELSE IF  $b < a$  and  $b < c$  THEN {

OUTPUT (b)

} ELSE {

OUTPUT (c)

} END IF

end

Calculator for  $\div$  and  $\times$

Start

OUTPUT ("enter two number")

INPUT  $\rightarrow$  a, b

IF  $a * b$  THEN {

$a * b = c$

} OUTPUT (c)

ELSE IF  $a / b$  THEN {

$a / b = d$

} OUTPUT (d)

ELSE  $a / 0$  THEN {

$a / 0 = \text{error}$

} OUTPUT ("error")

END IF

end



Check whether a number is prime number,

=> Enter a number

=> Divide the number by 1 till n to get all the possible divisors

=> We initialize a variable 'i' setting it at (0) to get all the output (possible divisors) printed by the time we reach 'n'.

=> If we get two factors in the end the number is prime being only divisible by 1 and itself else it is composite number and error if we divide the number by zero.

=> Print "Prime number" else if condition doesn't match  
Print "Composite number" if condition doesn't match  
for both Print "error".

Ask user for a day no. (1-365) and output day of the week assuming january 1<sup>st</sup> is monday.

=> Input a number ranging from 1-365.

=> Assume january 1<sup>st</sup> is monday to find out any day in a week.

=> If  $\text{day} \div 7$  and we get 1 as a remainder then is monday, if we get 2 as a remainder it is tuesday, if we get 3 then it is wednesday, if 4 it is thursday, if 5 it is Friday, if 6 it is saturday and 7 if it is sunday.

=> Output day of the week.