ALGORITHM

TASK 01: for determining divisibility of an integer.

1. Start
2. Input

   N and n are the positive integers.

3. Check divisibility:

   If (n %N==0) ;{
   Print: divisor;
   If (n%2==0); {
   Print: Even Number
   Else
   Print: odd number;
   }
   Else
   Print: No Divisor;
   }

4. END

TASK: 02

1. Start:
2. Input:
   - Ask user to enter the number between 1 and 12.
   - Ask user to enter the list of months.
3. Display the months:
   - If n=1
     Then
     Print: January
   - If n=2
     Then
     Print: February
   - If n=3
     Then
     Print: March
   - If n=4
     Then
     Print: April
   - If n=5
     Then
     Print: May
   - If n=6
     Then
     Print: June
   - If n=7
     Then
     Print: July
   - If n=8
     Then
     Print: August
   - If n=9
     Then
     Print: September
   - If n=10
     Then
     Print: October
   - If n=11
     Then
     Print: November
   - If n=12
     Then
     Print: December
4. END

TASK 03:

1. START
2. INPUT
    - Ask user to enter two variables.
    - Two variables are A and B
    - If selecting sign is +
      Then
      Print: A+B
    - If selecting sign is –
      Then
      Print: A-B
    - If selecting sign is *
      Then
      Print: A*B
    - If selecting sign is /
      Then
      Print: A/B
    - If selecting sign is %
      Then
      Print: A%B
3. END

PSEUDOCODE

TASK 01:

Start:

Input:

- User A
- User B
- User C

Maximum number:

- If (A>B and B>C);{
  Print: A
- If (B>A and A>C);
  Then
  Print: B
  Else
  Print: C
  }
  END

TASK 02:

START

INPUT:

- Ask user to enter three variable.
- Three variables are x, y and z.
- X=4,y=5,Z=7

Variable and initialization

- SET sum to 0

PROCESS STEPS

- Set sum to -4-5-7*-1=16

  If sum>0

Then

  Print “the sum is positive”

Else

  Print “the sum is non positive”

END

TASK 03:

- START:
- INPUT:

- Ask user to enter three variable.
- Three variables are A, B and C

- VARIABLES and INITIALIZATION:
  - Set sum to 0
- PROCESS STEPS:
  - If selecting sign is +
    Then
    Print: A+B+C
  - If selecting sign is –
    Then
    Print: A-B-C
- END