**TASK1:** you are working at Toyota Indus Motors and want to assemble a car. Design the flowchart with proper process modules and decision structures to replicate a pipeline production

INSTALLATION

START

ASSEMBLING

PAINT ALL PARTS

ASSEMBLE ALL PARTS TOGETHER

INSERT ENGINE

READ 4 DOORS

READ ROOF

READ BOUNER

CALC PAINT DOORS

INSERT EXCEL JUMP

CALC PAINT ROOF

CALC ATTACH DOOR,BOUNET AND ROOF IT’S CACHES

PAINT PARTS

PAINT BOUNET

INSTALL WIRING HEADLIGHT

END

END

ASSMEBLING

DESIGN INTERIOR

END

INSTALLATION

END

**TASK2:** write the pseudo code for all the following questions

i) Find the maximum numbers in any of three variable

START

INPUT X,Y,Z;

IF(X>Y AND X>Z) THEN

PRINT “X IS THE GREATEST VARIABLE”

ELSE

IF(Y>X AND Y>Z) THEN

PRINT“Y IS THE GREATEST NUMBER”

ELSE

PRINT “Z IS THE GREATEST NUMBER”

END

ii) Take three variable as input and add them without using the + operator (use your head for this)

START

INPUT A,B,C,D

CALC[D=A-(-B)-(-C)]

PRINT“D”

END

iii)create a small calculator which only does ‘+’or ‘-’ operation(take three variable inputs with one being used for the operator)

START

INPUT A,B,C

CALC(C=A+B)

PRINT “C”

END

**TASK3:** ALGORITHM

i)implement an algorithm for determining if an Nth number is a divisor of an n number (i.e 2 is a divisorof 6).If so determine it’s even or odd.

Enter number (n)

Enter N > 1

Repeat (step2)

If (n/N=whole number) then

“The number N is divisor”

Else

“Not a divisor”

Until (N>n)

ii) Implement an algorithm where the user enter a number, and an appropriate month is displayed

Enter number x

Check if (x=1)

“January”

If(x=2)

“February”

If(x=3)

“March”

If(x=4)

“April”

If (x=5)

“May”

If(x=6)

“June”

If(x=7)

“July’

If(x=8)

“August”

If(x=9)

“September”

If(x=10)

“October”

If(x=11)

“November”

If(x=12)

“December’

Else

Not in calendar month

iii) Implement an algorithm for making a simple calculator with all operation(+,-,\*,/,%)

Input x, y

Sum=x+y

Difference=x-y

Product=x\*y

Divide=x/y

Percentage=x%y