# **Flow Chart**

Problem 1: You are working at Toyota Indus Motors and want to assemble a car. Design a flowchart with proper process modules and decision structures to replicate a pipeline production.

**YESSSS**

**NO**

Get a metal sheet

A

Check if all the materials are checked

Get all the cars materials

A

# 

The car is ready be delivered

Assemble all the body parts

Get the interior parts

Get the engine

Shape the metal into car parts

# **Pseudocode**

**Problem 1:** Find the maximum number in any of three variables.

*Start*

//Input /Output

Input no 1

Input no 2

Input no 3

//Conditional statement

If no1 > no2 and

No 1 > no3

print no 1 is greater

else print no3 is greater

If no2 > no 1 and

no2 > no3

print no2 is greater

else print no 3 is greater

*End*

**Problem 2:** Take three variables as input and add them without using the + operator

**START**

*// Input /Output*

Input No 1

Input No 2

Input No 3

*// Process Steps*

No 1 - - No 2 - - No 3

Display the result

**END**

**Problem 3:** Create a small calculator which only does **‘+’** or **‘-’** Operations**.**

**START**

*//Input /Output*

NUMBER 1

NUMBER 2

*// Process Steps*

**IF** operator is **‘+’**

NUMBER 1 + NUMBER2

**ELSE IF** the operator is **‘-’**

NUMBER 1 – NUMBER 2

**ELSE print**

**“ Invalid , please use ‘+’ or “-’ Operator “**

**END**

# **Algorithm**

**Problem 1**: Implement an algorithm where the user enters a number, and an appropriate month is displayed.

1. Ask the user to input a number from 1-12
2. Check the month according to the input

1 January

2 February

3 March

4 April

5 May

6 June

7 July

8 August

9 September

10 October

11 November

1. December
2. Display the month

**Problem 2**: Implement an algorithm for making a simple calculator with all the operators (+, -,\*,/,%).

1. Ask the User to Input 1st Number
2. Ask the User to Input 2nd Number
3. If operator is **‘+’**

1st **+** 2nd

1. If operator is **‘-’**

1st **-**  2nd

1. If operator is **‘\*’**

1st **\*** 2nd

1. If operator is **‘/’**

1st **/** 2nd

1. If operator is **‘%’**

1st **%**2nd