**Flow Chart:**

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

































**Pseudocode:**

Task2; Take three variables as input and add them without using the + operator

1. START
2. //FUNCTION
3. FUNCTION Add(A,B,C: INTEGER)
4. RETURN (A+B+C)
5. // INPUT
6. INPUT Num1
7. INPUT Num2
8. INPUT Num3
9. Sum = Add(Num1,Num2,Num3)
10. //OUTPUT
11. OUTPUT Sum
12. END

Task3; Create a small calculator which only does ‘+’ or ‘-‘

1. START
2. //INPUT
3. INPUT Num1
4. INPUT Operator
5. INPUT Num2
6. IF Operator = ‘+’ THEN
7. OUTPUT (Num1 + Num2)
8. ELSE
9. OUTPUT (Num1 - Num2)
10. END

**Algorithm:**

Task1; Implement an algorithm for determining if an Nth is a divisor of an n Number (i.e. 2 is a divisor of 6). If so, determine if it’s an even number or odd number as well.

1. Ask user to enter the number **N**
2. Ask user to enter the divisor **Nth**
3. Divide the number **N** by **Nth**
4. If the quotient is a whole number
5. Print Nth is a divisor
6. Divide the number **N** by 2
7. If quotient is equals 0
8. Print **N** is an even number
9. Else Print **N** is an odd number

Task3; Implement an algorithm for making a simple calculator with all the operators

1. Ask user to enter the first number **Num1**
2. Ask user to enter the operator **Op**
3. Ask user to enter the second number **Num2**
4. Make a case structure and check which symbol does the operator **Op** equal
5. If **Op** equal +
6. Set **Ans** to (**Num1** + **Num2**)
7. Display **Ans**
8. If **Op** equal -
9. Set **Ans** to (**Num1** - **Num2**)
10. Display **Ans**
11. If **Op** equal \*
12. Set **Ans** to (**Num1** \* **Num2**)
13. Display **Ans**
14. If **Op** equal /
15. Set **Ans** to (**Num1** / **Num2**)
16. Display **Ans**
17. If **Op** equal %
18. Set **Ans** to (**Num1** % **Num2**)
19. Display **Ans**