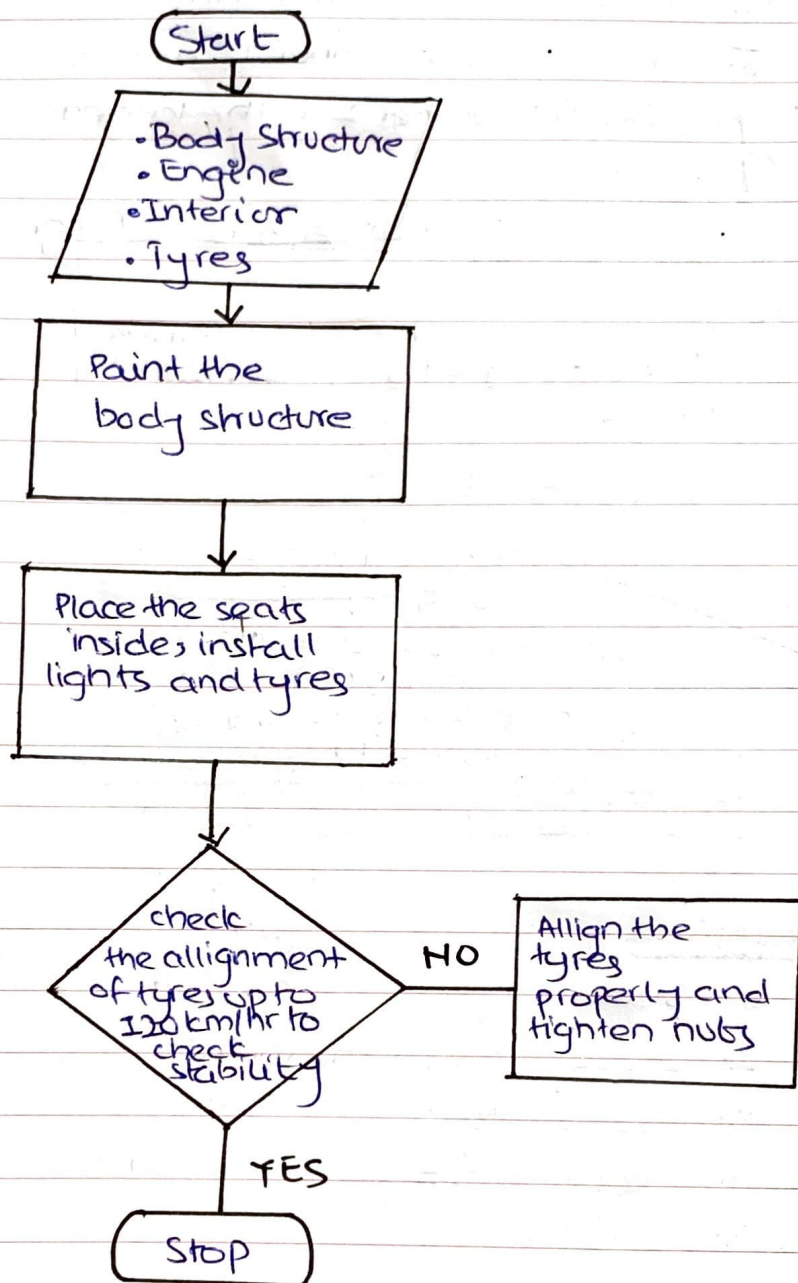**Problem:1** Replicate a pipeline production:

=) **PSEUDOCODE**

Example: 1.1

1. START
2. INPUT number 1
3. INPUT number 2
4. INPUT number 3
5. SET largest number to 0

6. IF number 1 > number^2 and number 1 > number 3
7. PRINT " number 1 is the largest".
8. IF number 2 > number 1 and number 2 > number 3
9. PRINT " number 2 is the largest".
10. ELSE

       ·   print " number 3 is the largest".

number 1 = 10

number 2 = 5

number 3 = 15

1) number 1 > number 2
         10 > 5 (T)

2) number 1 > number 3
         10 > 15 (F)

3) number 3 > num 1
         15 > 10 (T)

Example : 2

1. Start
2. Input num1, num2, num3.
3. SET sum to 0.
4. ~~set sum to~~ sum = num 1 − (−num2) − (−num3)
5. Print sum
6. End.

=> **ALGORITHM :-**

Problem: 2

1. Start
2. Set Jan to 1, Feb to 2, March to 3, April to 4 and May to 5.
3. Ask the user to enter a number.
4. Display month for the user.
5. Stop.

Problem: 1

1. Start
2. Ask user to enter variable.
3. If x and y are not equal to zero.
4. Divide x by y.
5. Divide the remainder by 2, if it is equal to zero.
6. Display Even
7. Else Odd.

Problem:3   Algorithm for making a calculator

1. Start

2. Read two numbers into A and B.

3. Compute C=A+B, D=A-B, E=A*B, F=A/B

4. Print "Sum=C", "Difference=D", "Product=E" and "Division=F".

5. Stop.

Problem:3   PSEDOCODE
Calculator which only does(+)and(-) operations.

1. Start

2. Initialize variables : num1, num2, result.

3. Input num1

4. Input num3

5. If operation is (+)
        set result = num1 + num2

6. If operation is (-)
        set result = num1 - num2

7. Else display "Invalid operation".

8. End.