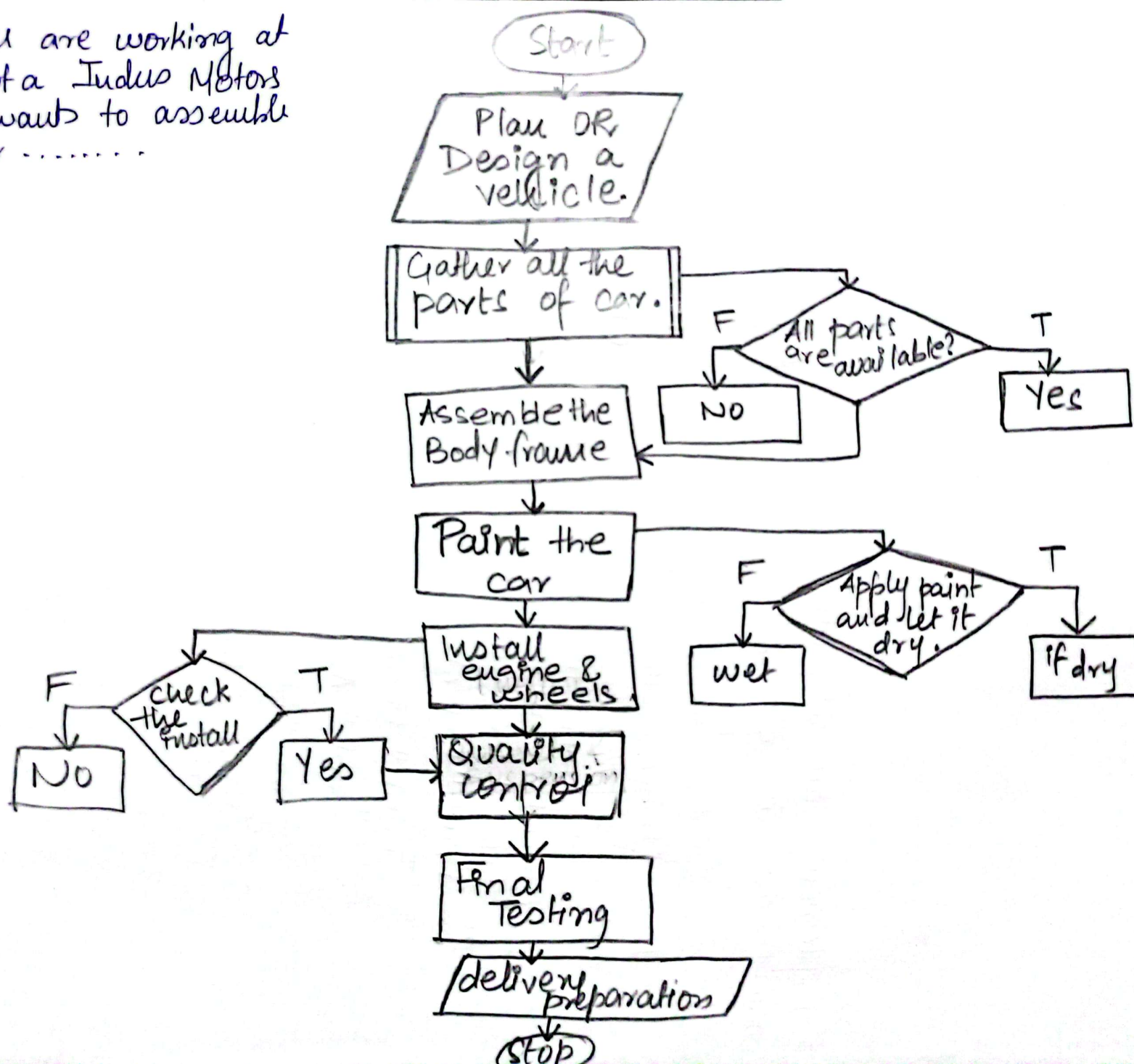


Q You are working at
Toyota Indus Motors
and wants to assemble
a car



- Implement an ^{pseudo code} algorithm where the user enters a no. and an appropriate month is displayed.

Start

Input monthnumber // The number entered by the user (should be between 1 and 12)

If monthnumber < 1 or monthnumber > 12 then

Print "Error: Enter a number between 1 and 12"

End

If monthnumber = 1 then

Print "January"

Else if monthnumber = 2 then

Print "February"

Else if monthnumber = 3 then

Print "March"

Else if monthnumber = 4 then

Print "April"

Else if month number = 5 then

Print "May"

Else if month number = 6 then

Print "June"

Else if month number = 7 then

Print "July"

Else if month number = 8 then

Print "August"

Else if month number = 9 then

Print "September"

Else if month number = 10 then

Print "October"

Else if monthnumber = 11 then

Print "November"

Else if monthnumber = 12 then

Print "December"

End

LAB 2.

Problems to solve (Pseudo code).

* Implement an algorithm for determining if a N^{th} is a divisor of an n Number (i.e 2 is a divisor of 6). If so determine if it's an even no. or odd no. as well.

Start

Input n // The number to be checked

Input N // The potential divisor

If $N = 0$ then

Print "Error: Division by zero is not allowed"

End

If $n \% N = 0$ then // Check if N is a divisor of n

Print $N + \text{"is a divisor of " + } n$

If $N \% 2 = 0$ then

Print $N + \text{"is an even number"}$

Else

Print $N + \text{"is an odd number"}$

End If

Else

Print $N + \text{"is not a divisor of " + } n$

End

Implement an algorithm for making a simple calculator with all the operator (+, -, *, /, %)

Start

Input num 1 // first number

Input operator // Operator (+, -, *, /, %)

Input num 2 // Second number

If operator = "+" then

result = num 1 + num 2

Print "Result:" + result

Else if operator = "-" then

result = num 1 - num 2

Print "Result:" + result

Else if operator = "*" then

result = num 1 * num 2

Print "Result:" + result

Else if operator = "/" then

If num 2 = 0 then

Print "Error: Division by zero is not allowed"

Else

result = num 1 / num 2

Print "Result:" + result

End If

Else if operator = "%" then

If num 2 = 0 then

Print "Error: Division by zero is not allowed"

Else

result = num 1 % num 2

Print "Result:" + result

End If

Else

Print "Error: Invalid operator"

End If

End