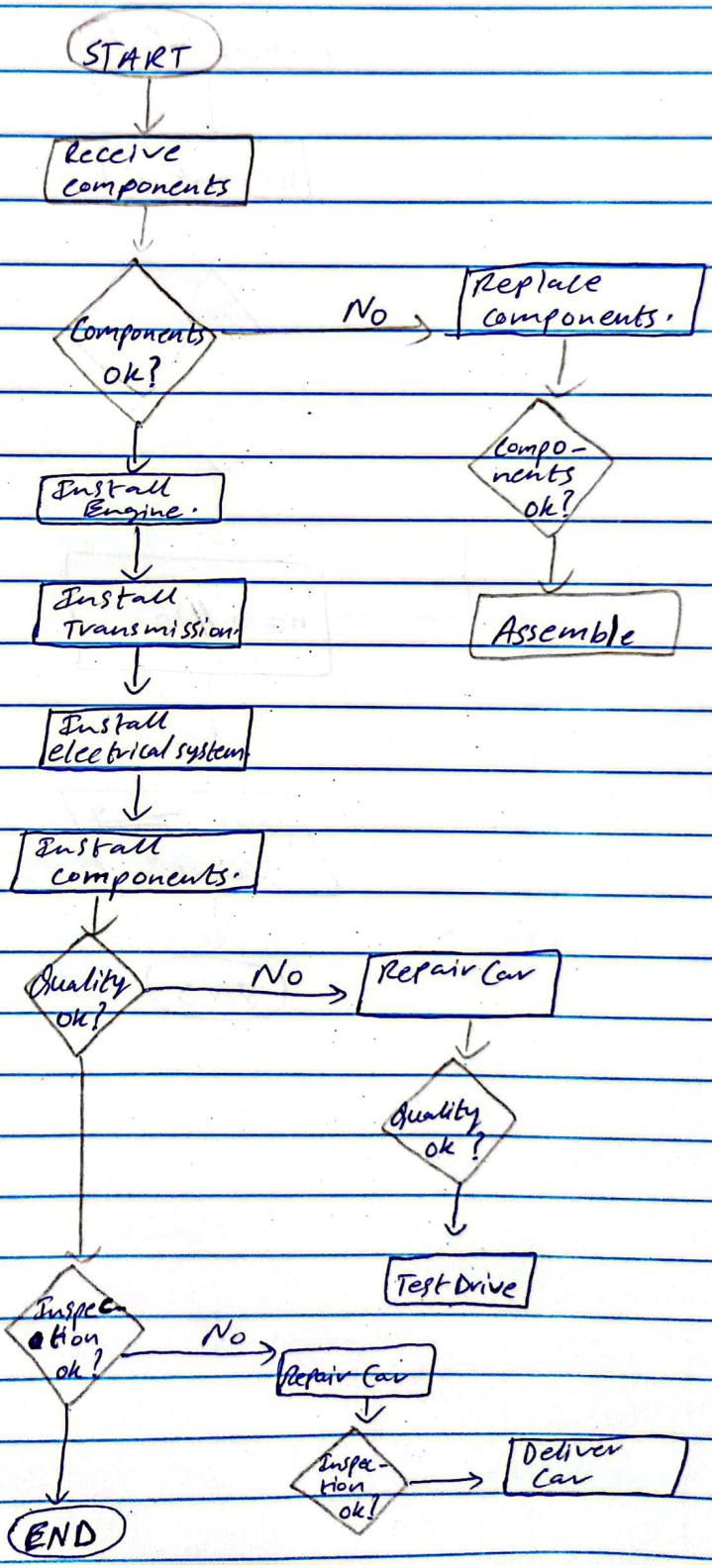
MOMSIN HASSAN 24k-1005 Date:

PF-LAB Assignment.

~~problem 1~~

Flowchart

Problem 1:



Date:

Pseudocode :-

Problem 1:

```
START

Input A
Input B
Input C

Set max to A

If B > max Then
    Set max to B
End If

If C > max Then
    Set max to C
End If

Print max
END
```

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Problem 2:

START

Input A
Input B
Input C

Set Sum to A

While B > 0 Do
    Set Sum to Sum + 1
    Set B to B - 1
Endwhile

While C > 0 Do
    Set Sum to sum + 1
    Set C to C - 1
Endwhile

Print Sum
End.

Date:

Problem 3:

START

Input num1
Input num2
Input operator

If operator == '+'
    result = num1 + num2.
Else
    If operator == '-'
    result = num1 - num2
Else
    Print "Invalid operator"

Print "The result is :" + result
END.

Date:

Algorithm :-

problem 1:

1. Input two integers, "n" (the number) and "N" (the divisor).
2. Check if "N" is a divisor of "n".
3. Find the remainder when "n" is divided by "N" using the modulus operation (n % N).
4. If the remainder is 0, then "N" is a divisor of "n" and vice versa.
5. If the remainder is 0, then "N" is even. Output "N" is an even divisor.
6. If the remainder is 1, the "N" is odd. Output "N" is an odd divisor.

Problem 2:

1. Input "monthnumber" from the user.
2. If "monthnumber" == 1, output "January".
3. If " == 2, " "February".
4. If " == 3, " "March".
5. If " == 4, " "April".
6. If " == 5, " "May".
7. If " == 6, " "June".
8. If " == 7, " "July".
9. If " == 8, " "August".
10. If " == 9, " "September".
11. If " == 10, " "October".
12. If " == 11, " "November".
13. If " == 12, " "December".
14. If "monthnumber" is < 1 or > 12, then output "Invalid month number".

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Problem 3:

1. Input two numbers num1 and num2.
2. Input an operator which can be ('+', '-', '*', '/', '%')
3. If operator is '+', Calculate result = num1 + num2.
4. If operator is '-', Calculate result = num1 - num2.
5. If operator is '*', Calculate result = num1 * num2.
6. If " is '/', " " = num1 / num2.
7. If " is '%', " " = num1 % num2.
8. If any other operator is used, Output "Invalid operator".