LAB ASSIGNMENT 2

Question 1

1. Algorithm:
    - Display “Welcome! How may I help you”?
    - Display menu
    - Read order
    - Read add on
    - Display waiting time
    - Get cash

2. Pseudo code:
    - Start
    - Display “Welcome! How may I help you”?
    - Display menu
    - Read order
    - If add on

        Then read add on

        Display waiting time

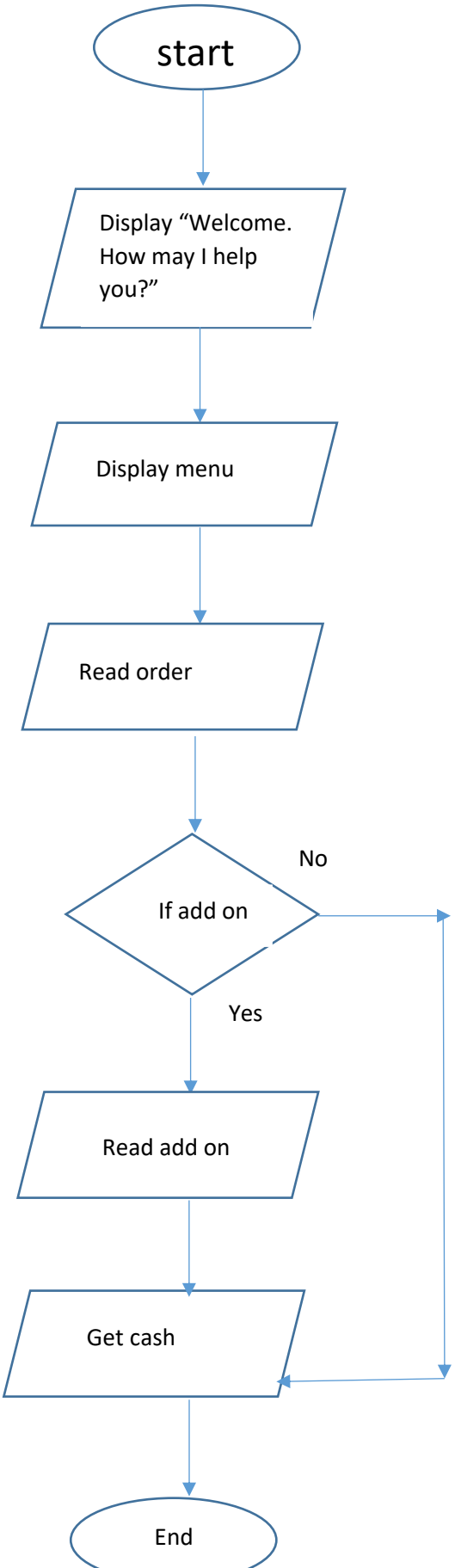
        Else

            Display waiting time

    - Get cash
    - End

LAB ASSIGNMENT 2

3. Flowchart:



LAB ASSIGNMENT 2

Question 2

1. Algorithm:
   - Display “Welcome”
   - Display “Enter pin:
   - Read pin
   - Process pin
   - If pin is correct

     Then display “Enter amount”

     Read amount

     Process account balance

     If account balance is sufficient

       Then Display “transaction successful”

     Else

       Display “Balance insufficient”

   Else

     Display “Try again”

2. Pseudo code:

- Start
- Display “Welcome”
- Display “Enter pin:
- Read pin
- Process pin
- If pin is correct

     Then display “Enter amount”

     Read amount

     Process account balance

     If account balance is sufficient

       Then Display “transaction successful”

     Else

       Display “Balance insufficient”

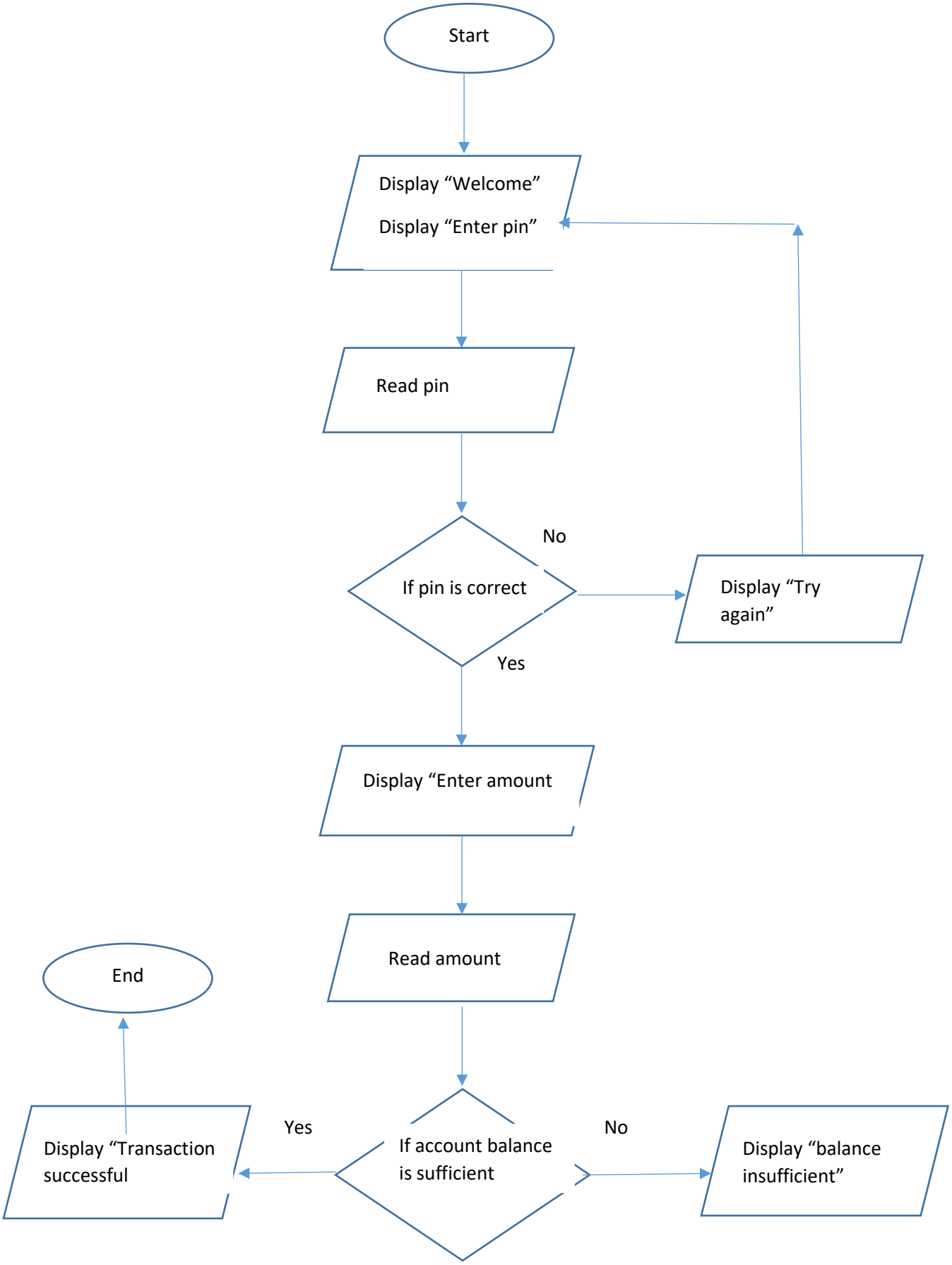
   Else

     Display “Try again”

- End

LAB ASSIGNMENT 2

3. Flowchart:



LAB ASSIGNMENT 2

Question 3

1. Algorithm:
   - Display “Enter 3 numbers”
   - Read numbers
   - If number1>number2

     Then IF number 1>number3

     Then display “greatest number is”, number1

     Else

     Then display “greatest number is”, number3

     Else

     Then IF number 2>number3

     Then display “greatest number is”, number2

     Else

     Then display “greatest number is”, number3

2. Pseudo code:

- Start
- Display “Enter 3 numbers”
- Read numbers
- If number1>number2

  Then IF number 1>number3

  Then display “greatest number is”, number1

  Else

  Then display “greatest number is”, number3

  Else

  Then IF number 2>number3

  Then display “greatest number is”, number2

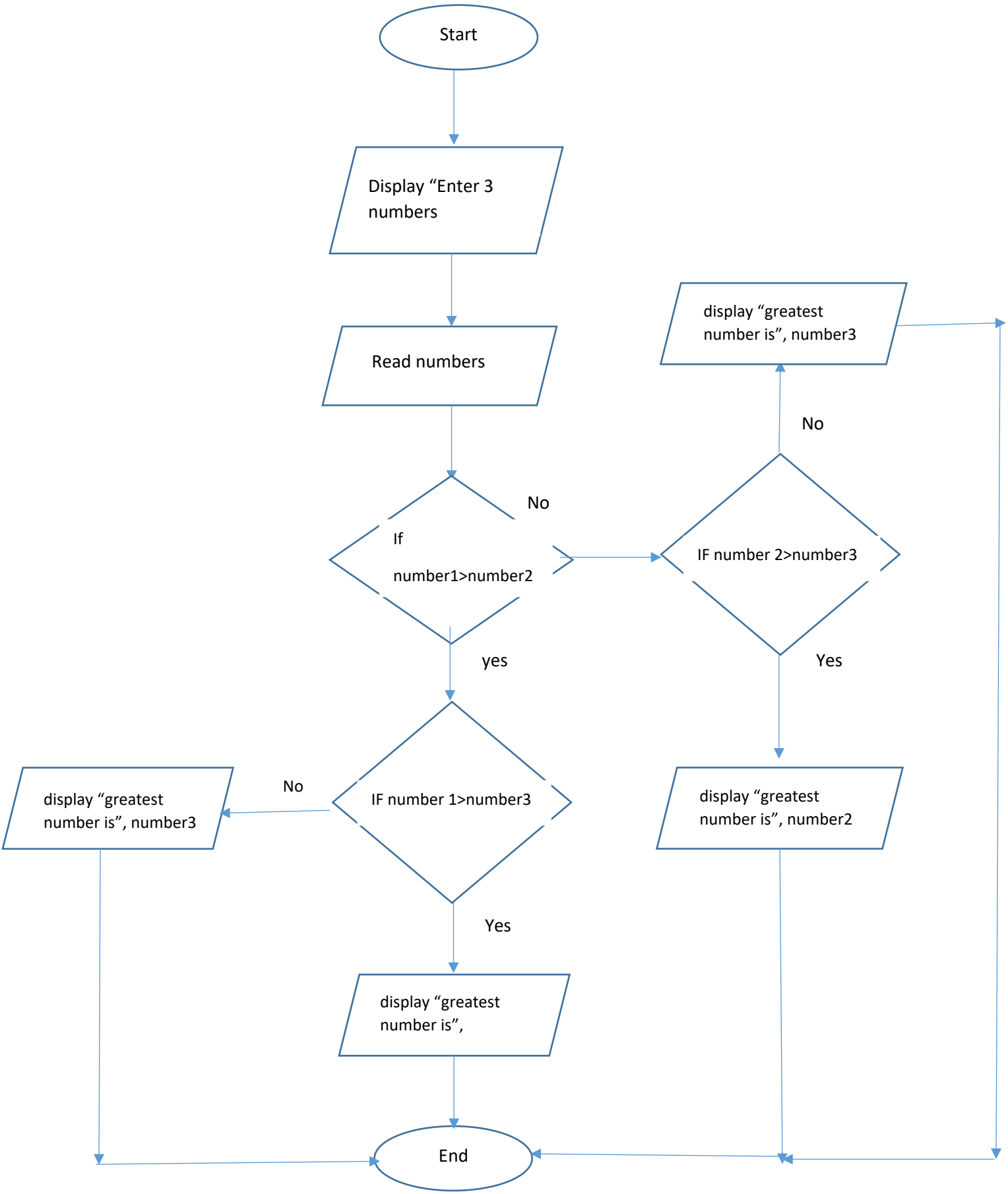
  Else

  Then display “greatest number is”, number3

- End

3. Flowchart:

LAB ASSIGNMENT 2



LAB ASSIGNMENT 2

Question 4

Algorithm:

- Display “Enter number 1-12”
- Read number
- IF number == 1
  Print “January”
  ELSE IF number == 2
  Print “February’’
  ELSE IF number == 3
  Print “March’’
  ELSE IF number == 4
  Print “April’’
  ELSE IF number == 5
  Print “May’
  ELSE IF number == 6
  Print “June’’
  ELSE IF number == 7
  Print “July’’
  ELSE IF number == 8
  Print “August’’
  ELSE IF number == 9
  Print “September’’
  ELSE IF number == 10
  Print “October’’
  ELSE IF number == 11
  Print “November’’
  ELSE
  Print “December’’

LAB ASSIGNMENT 2

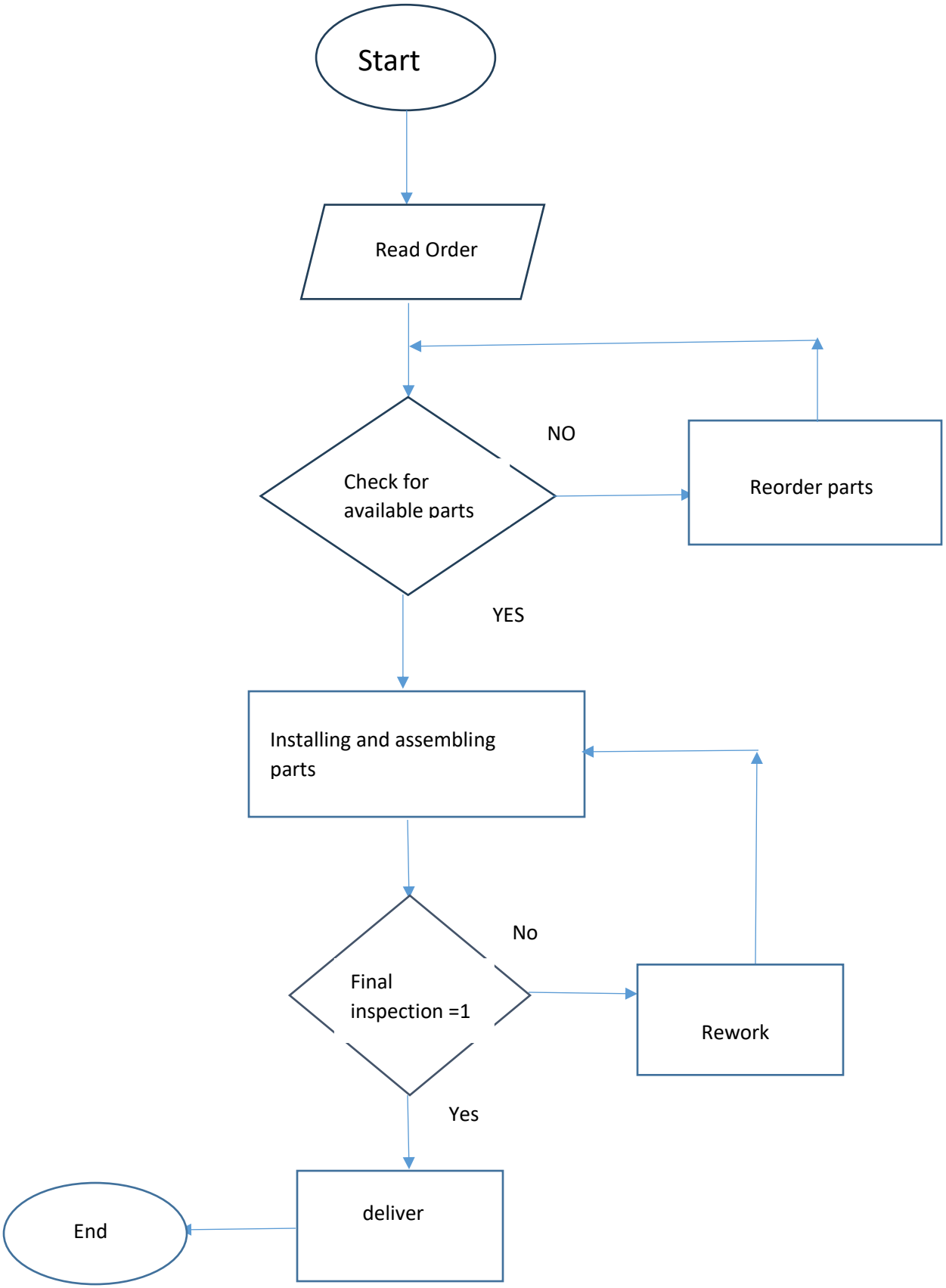
QUESTION 5

Pseudo code:

- Start
- Display “Enter number 1”
- Read num1
- Display “Enter number 2”
- Read num2
- Display “Enter operator (+/-) ”
- Read op
- IF op == +
  Print num1 + num2
  ELSE
  Print num1 – num2
- End

LAB ASSIGNMENT 2

QUESTION 6



LAB ASSIGNMENT 2

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QUESTION 7

Algorithm:

- Display “Enter number 1”
- Read num1
- Display “Enter number 2”
- Read num2
- Display “Enter operator”
- Read op
- IF op == +
  Print num1 + num2
  ELSE IF op == -
  Print num1 – num2
  ELSE IF op == *
  Print num1 * num2
  ELSE IF op == /
  Print num1 / num2
  ELSE
  Print num1 % num2

LAB ASSIGNMENT 2

QUESTION 9

A .gitignore file is used in Git to specify which files or directories should be ignored by Git when performing operations. It is used to:

- Prevent unnecessary files from being tracked
- Reduce repository size
- Improve performance
- Enhance security

LAB ASSIGNMENT 2

Question 10

ALGORITHM	PSEUDO CODE
1. It is a step-by-step procedure for solving problem.	It is a simplified, high-level description of an algorithm.
2. It involves informal language which makes non-experts easier to understand.	It involves technical keywords which make non-experts difficult to understand.