

LAB WORK 2

QUESTION #1

ALGORITHM:

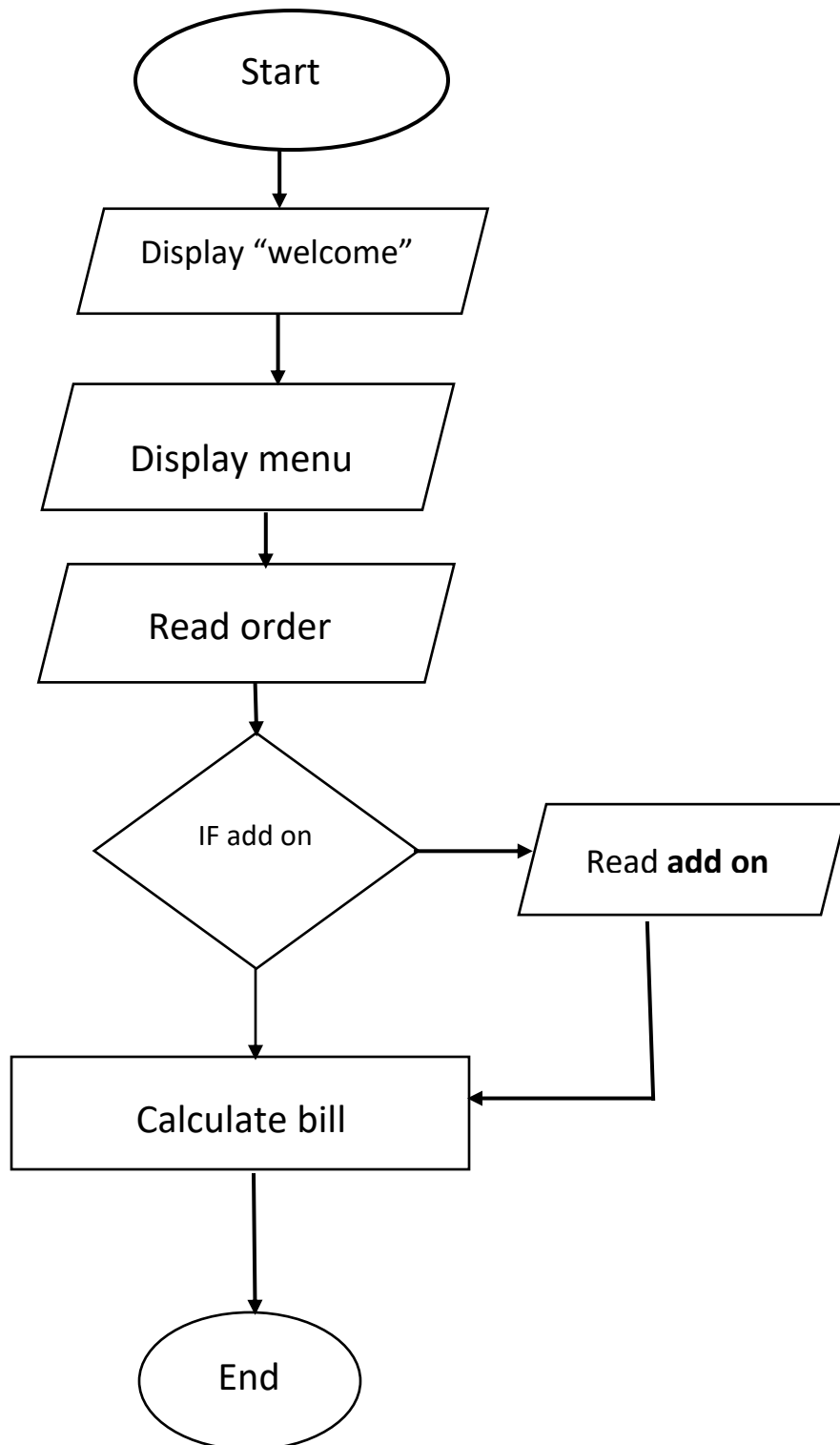
1. Display greetings to the customer.
2. Offer the menu to the customer.
3. Take the order.
4. Ask the customer to add on something.
5. Tell the waiting time.
6. Calculate the bill.
7. Serve the order.
8. Display thank you.

PSEUDOCODE:

1. Start.
2. Display "Welcome to our restaurant."
3. Display menu.
4. Read order.
5. If add on
 then read add on
 else
 Display waiting time
 End if
6. Calculate the bill.
7. Serve the order
8. Display "thank you"

9. End.

FLOWCHART:



QUESTION # 2

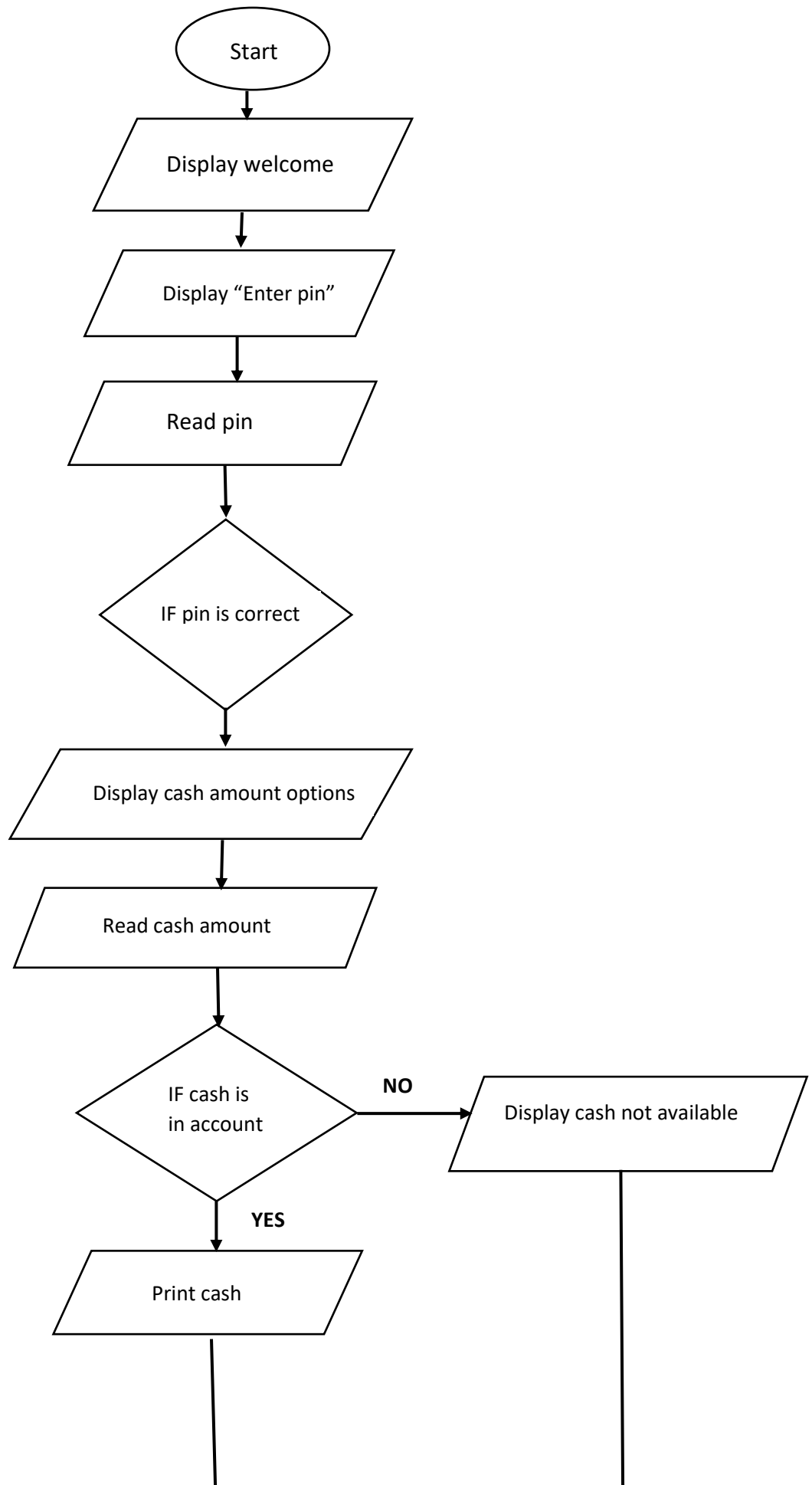
ALGORITHM:

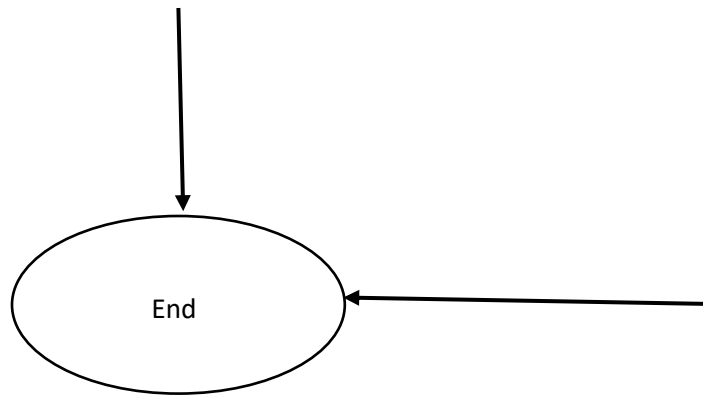
1. Display welcome.
2. Ask the user to enter pin.
3. Read the pin whether it is correct or not.
 IF correct proceed to withdrawal.
4. Ask the cash withdrawal amount.
5. Read withdrawal amount.
6. Check if selected amount is available or not in account
 IF available proceed to withdrawal.
7. Print cash.
8. Display thank you.

PSEUDOCODE:

1. Start.
 2. Display "welcome"
 3. Display "Enter pin"
 4. Read pin
- IF correct proceed to withdrawal.
- Else
- Display "enter pin"
5. Display "select cash amount"
 6. Read cash amount.
- IF cash is present in account
- then proceed to withdrawal.
- Else
- Display "cash is not available in your account"
7. Print cash.
 8. Display "thank you"

FLOWCHART





QUESTION # 3

ALGORITHM:

1. Ask the user to enter number 1
2. Read NUM1
3. Ask the user to enter number 2
4. Read NUM2
5. Ask the user to enter number 3
6. Read NUM3
7. IF NUM1>NUM2 and NUM3
 then display NUM1 is greatest.
8. IF NUM2> NUM1 and NUM3
 then display NUM2 is greatest.
9. IF NUM3>NUM1 and NUM2
 then display NUM3 is greatest.
10. End.

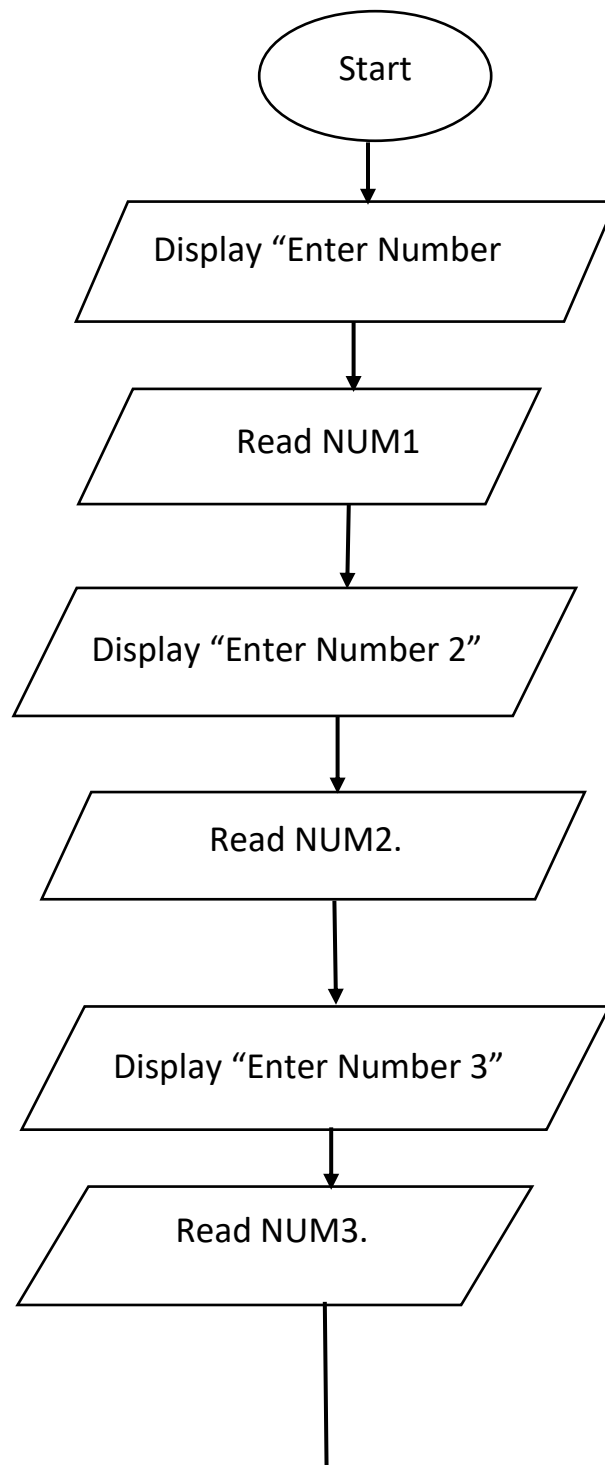
PSEUDOCODE:

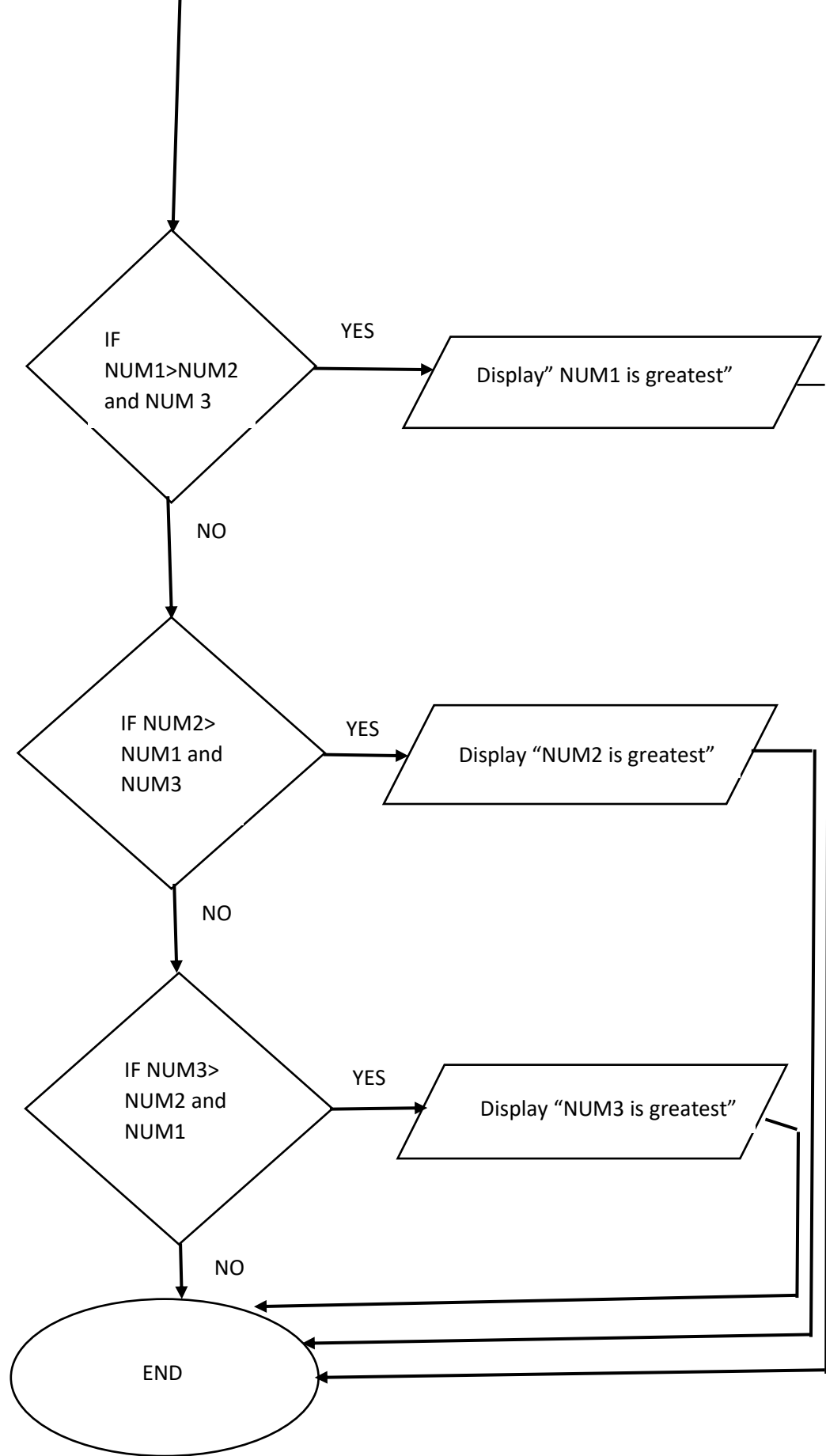
1. Start
2. Display "Enter Number 1"
3. Read NUM1.
4. Display "Enter Number 2"
5. Read NUM2.
6. Display "Enter Number 3"
7. Read NUM3.
8. IF NUM1>NUM2 and NUM 3

then print "Number 1 is greatest", NUM1
IF NUM2 > NUM1 and NUM3
then print "Number 2 is greatest", NUM2
IF NUM3 > NUM1 and NUM2
then print "Number 3 is greatest", NUM3
End if.

9. End if

FLOWCHART





QUESTION # 4:

➤ Start.

➤ Ask the user to enter a number between 1 to 12

➤ Read number

If number==1

 then display January

else if number=2

 then display February

else if number==3

 then display March

else if number==4

 then display April

else if number==5

 then display May

else if number==6

 then display June

else if number==7

 then display July

else if number==8

 then display August

else if number==9

 then display September

else if number==10

 then display October

else if number==11

 then display November

else if number==12

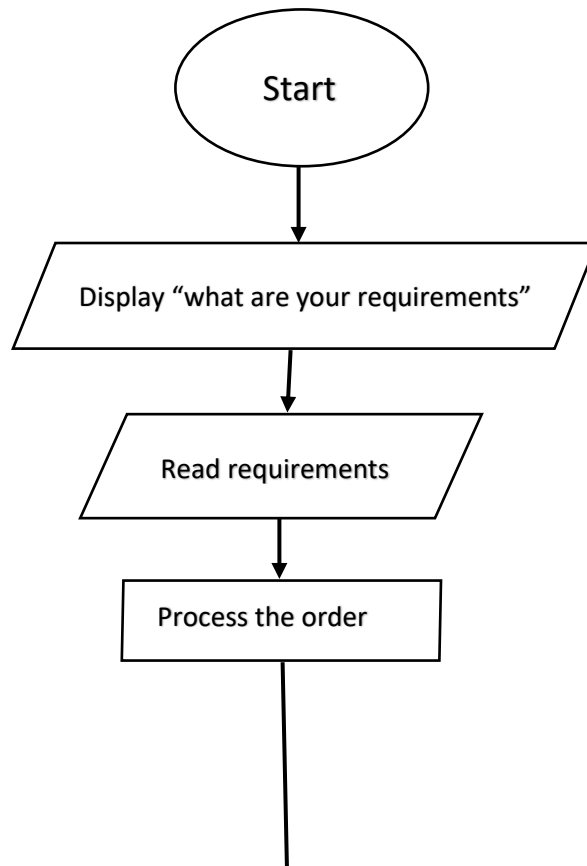
 then display December

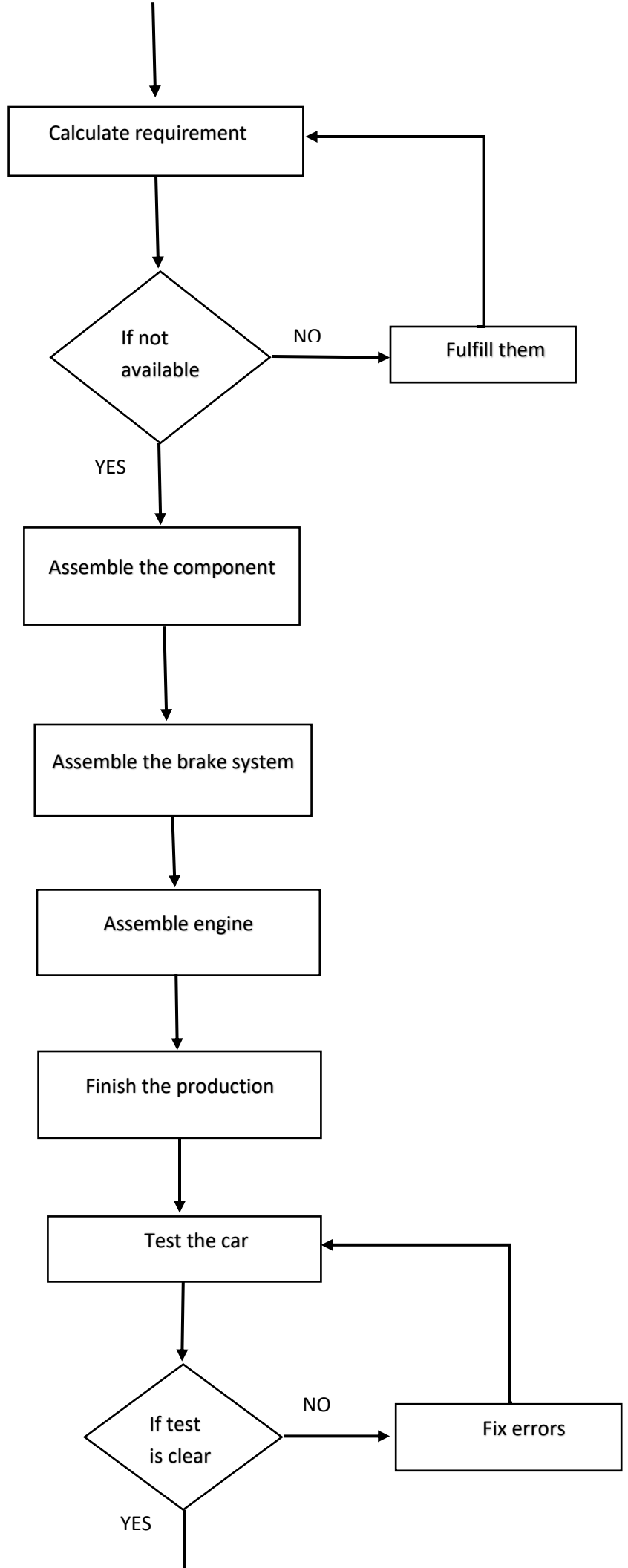
➤ End.

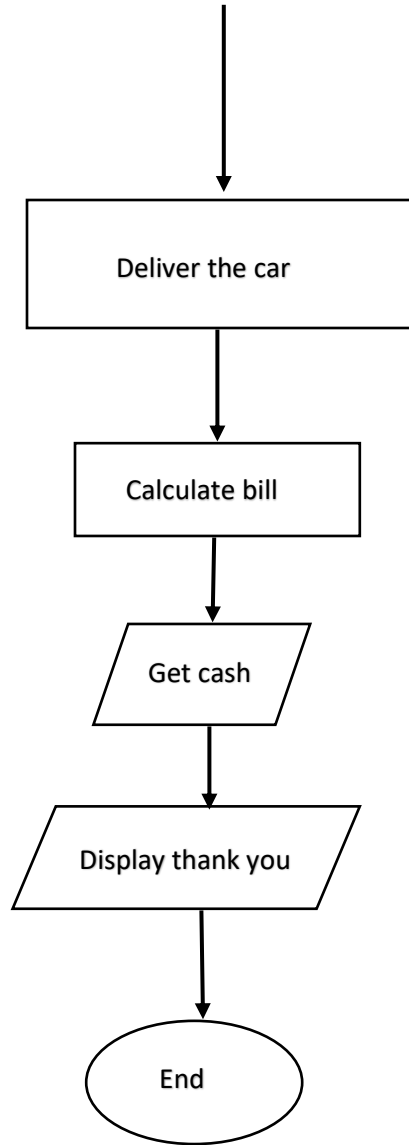
QUESTION # 5

- Start.
- Ask the user to enter a number.
- Input NUM1
- Ask the user to enter second number.
- Input NUM2
- Display “Enter an operation + or – ”
- Input operation
 - If operation == +
 - then calculate $\text{sum} = \text{NUM1} + \text{NUM2}$
 - display sum
 - else if operation == -
 - then calculate $\text{difference} = \text{NUM1} - \text{NUM2}$
 - display difference
- End

QUESTION # 6







QUESTION # 6

- Start.
- Ask the user to enter a number.
- Read NUM1
- Ask the user to enter another number.
- Read NUM2
- Display "Enter operation (+, -, /, %)"
- Read OP
 - If $OP = /$
then calculate result $= NUM1 / NUM2$
 - else if $OP = *$

```
then calculate result=NUM1*NUM2
  else if OP== +
then calculate result=NUM1+NUM2
  else if OP==NUM1-NUM2
then calculate result=NUM1-NUM2
  else if OP== %
then calculate result=%NUM and %NUM2
```

- Display result
- End.

QUESTION # 9

Gitignore is very useful as it tells us about the files and repositories that we should ignore in git. It also has the following uses:

- The files that we add in gitignore cannot be tracked or added in the repository.
- It keeps our repository clean and organized.
- We can manage files efficiently.
- It also helps us to protect our sensitive data.
- It also prevents from adding certain files in the repositories.

QUESTION # 10

<u>ALGORITHM</u>	<u>PSEUDOCODE</u>
<ul style="list-style-type: none">○ Algorithm is a step by step procedure to solve a specific problem.	<ul style="list-style-type: none">○ Pseudocode is a way to explain an algorithm in a readable form using specific functions.
<ul style="list-style-type: none">○ An algorithm uses a finite set of instruction to carry out a particular task.	<ul style="list-style-type: none">○ Pseudocode does follow any specific set of rule.
<ul style="list-style-type: none">○ Algorithm does not use specific instructions and functions.	<ul style="list-style-type: none">○ Pseudocode uses conditionals, loops and functions such as, if, end if, read, display etc.