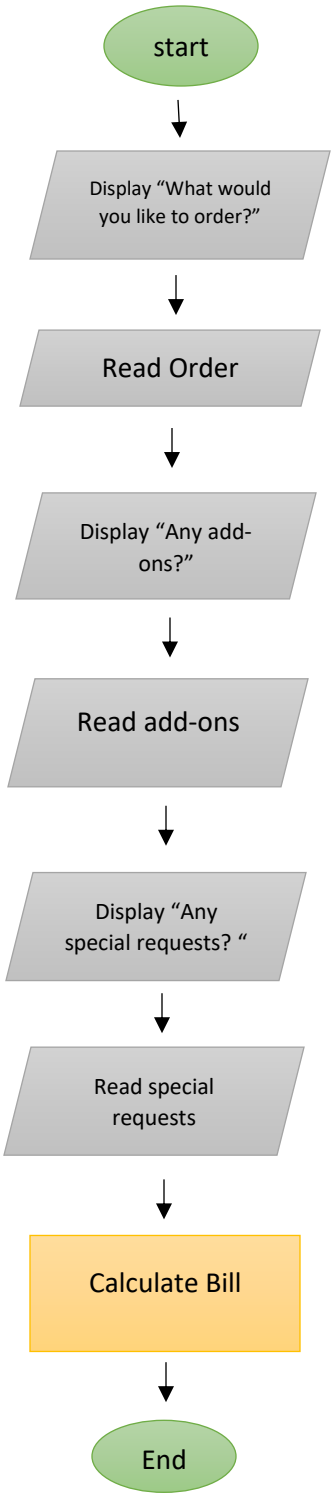
Task 1

Pseudocode

1. Start
2. Display “What would you like to Order?”
3. Read Order
4. Display “Any add-ons?”
5. Read add-ons
6. Display “Any special requests?”
7. Read special requests
8. Calculate bill
9. Display bill
10. Get cash
11. End

Algorithm

1. Ask the customer “what would they like to order”
2. Ask the customer “Any add-ons for the order?”
3. Ask the customer “Any special requests?”
4. Set Bill to (Sum of prices of order)
5. Display (Bill)
6. Get cash



Task 2

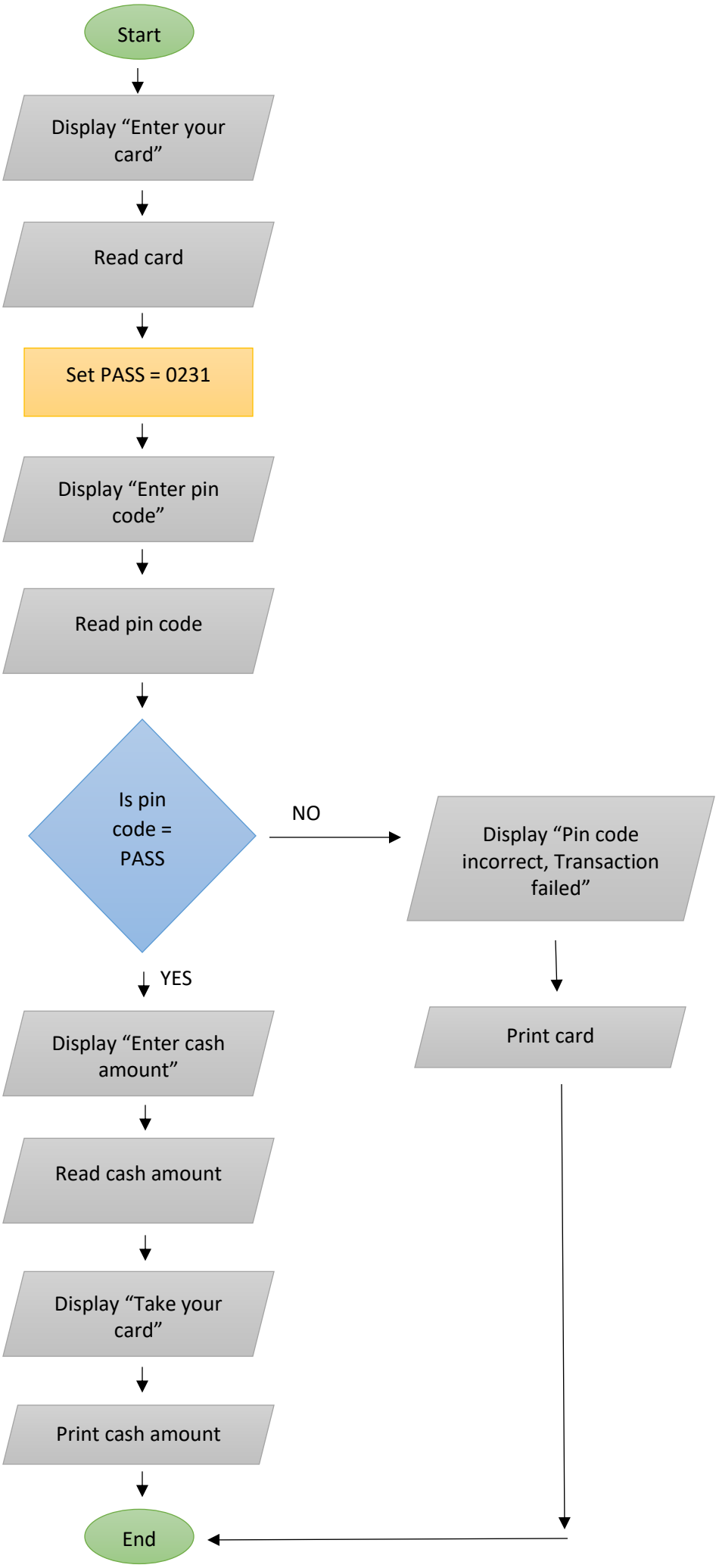
Pseudocode

1. Start
2. Display “Enter your card”
3. Read card
4. Set PASS = 0231
5. Display “Enter pin code”
6. Read pin code
7. If Pin code == PASS Then Display “Enter cash amount”
    1. Read cash amount
    2. Display “Take your card”
    3. Print cash amount
    4. End
8. Else
9. Display “Pin code incorrect, Transaction failed”
10. Print card
11. End

Algorithm

1. Ask user to enter their card
2. Set PASS to 0231
3. Ask user to enter pin code
4. If pin code = PASS Then ask user for amount of cash the need to withdraw
5. Print cash
6. Else Tell user that Pin code is incorrect and transaction failed
7. Print card

Task 2 (Flowchart)



Task 3

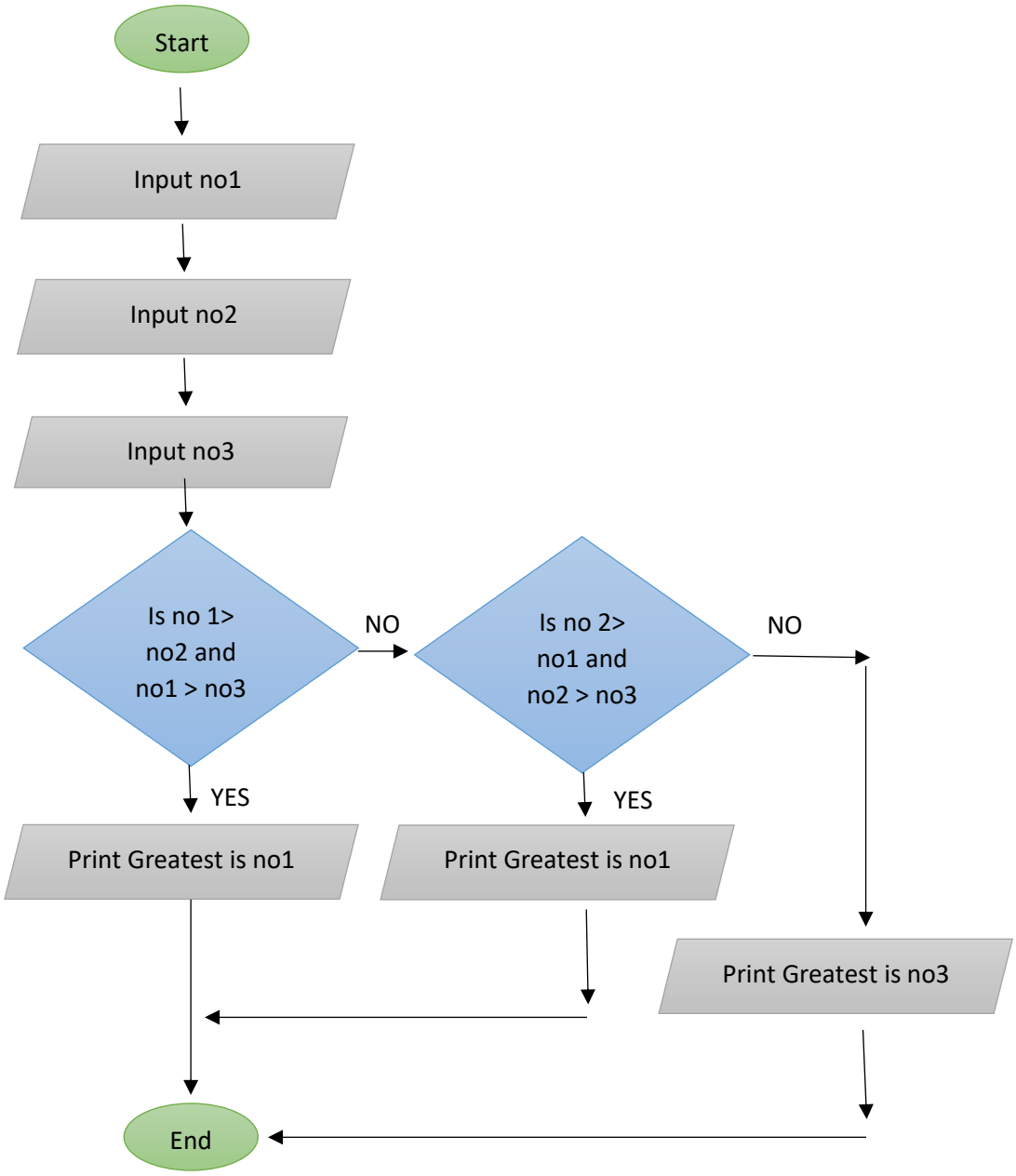
Pseudocode

1. Start
2. Input no1
3. Input no2
4. Input no3
5. If no1>no2 and no1>no3 Then Print “The greatest number of the three numbers is”, no1
6. Else if no2>no1 and no2>no3 Then Print “The greatest number of the three numbers is”, no2
7. Else if no3>no1 and no3>no2 Then Print “The greatest number of the three numbers is”, no3
8. End If
9. End

Algorithm

1. Ask user to enter three numbers in order
2. If no1 is greater than no2 and no3 then display that no1 is greatest.
3. If no2 is greater than no1 and no3 then display that no2 is greatest.
4. If no3 is greater than no2 and no1 then display that no3 is greatest.

Task 3 (Flowchart)



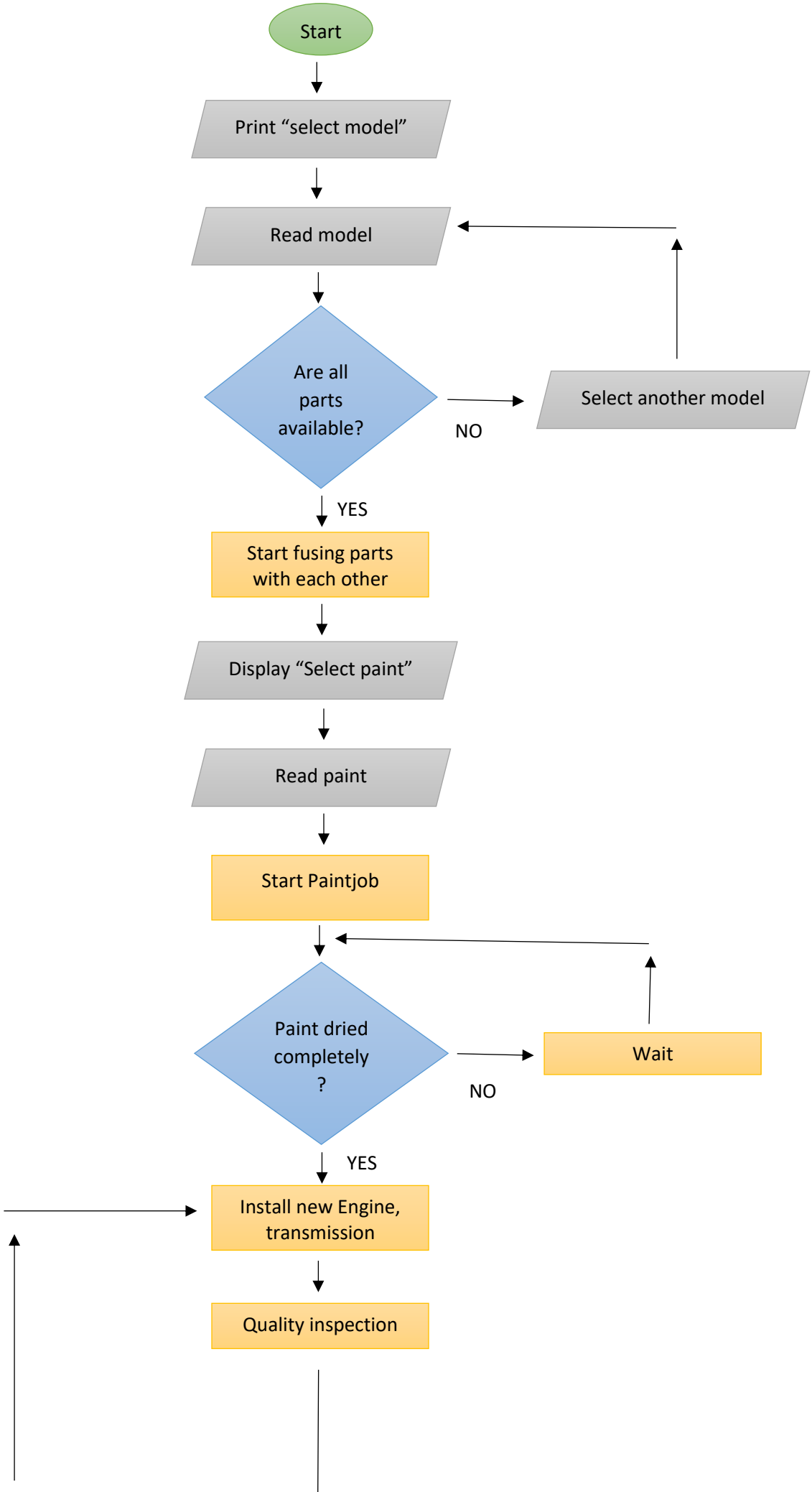
Task 4

1. Ask user to enter any number from 1 to 12
2. Set 1 = January
3. Set 2 = February
4. Set 3 = March
5. Set 4 = April
6. Set 5 = May
7. Set 6 = June
8. Set 7 = July
9. Set 8 = August
10. Set 9 = September
11. Set 10 = October
12. Set 11 = November
13. Set 12 = December
14. Display the value of the number that the user enters

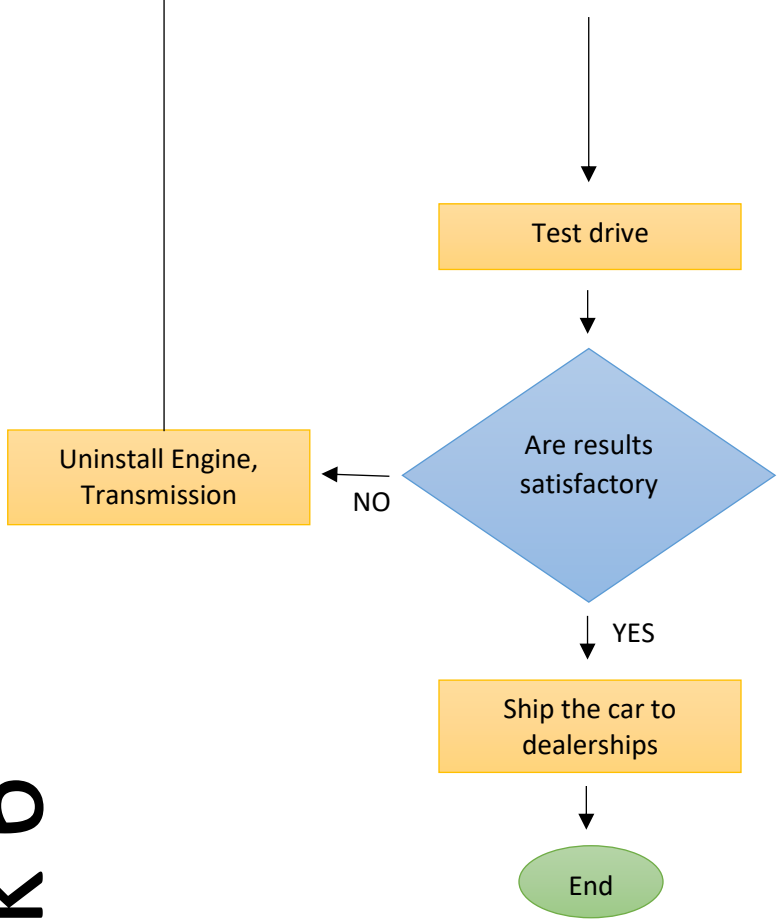
Task 5

1. Display “enter first number” – no1
2. Read no1
3. Display “enter second number” - no2
4. Read no2
5. Calculate sum = no1 + no2
6. Calculate difference = no1-no2
7. Display “enter operator”
8. Read operator
9. If operator = + Then Print sum
   Else if operator = - Then Print difference
10. Else “Display operator entered is invalid”
11. End

Task 6


Start
Print “select model”
Read model
Are all parts available?
NO
Select another model
YES
Start fusing parts with each other
Display “Select paint”
Read paint
Start Paintjob
Paint dried completely ?
NO
Wait
YES
Install new Engine, transmission
Quality inspection

Task 6


Test drive
Are results satisfactory
NO
Uninstall Engine, Transmission
YES
Ship the car to dealerships
End

Task 7

Ask user to enter two number and an operator from (+ - * / %)

If operator is + Then calc Answer = num1 + num2

  Else If operator is - Then calc Answer = num1 – num2

  Else If operator is * Then calc Answer = num1*num2

  Else If operator is /

      If num2 is 0 Then Print “error”

      Else calc Answer = num1/num2

  Else If operator is %

      If num2 is 0 Then Answer = Error

      Else calc Answer = num1%num2

End If

Print Answer

End

Task 9

We use .gitignore file extension to ignore files that are unnecessary for the project.

Task 10

An algorithm is a clear set of instructions to accomplish a task whereas a pseudocode is a way to express algorithms resembling a programming language but in a human readable form.