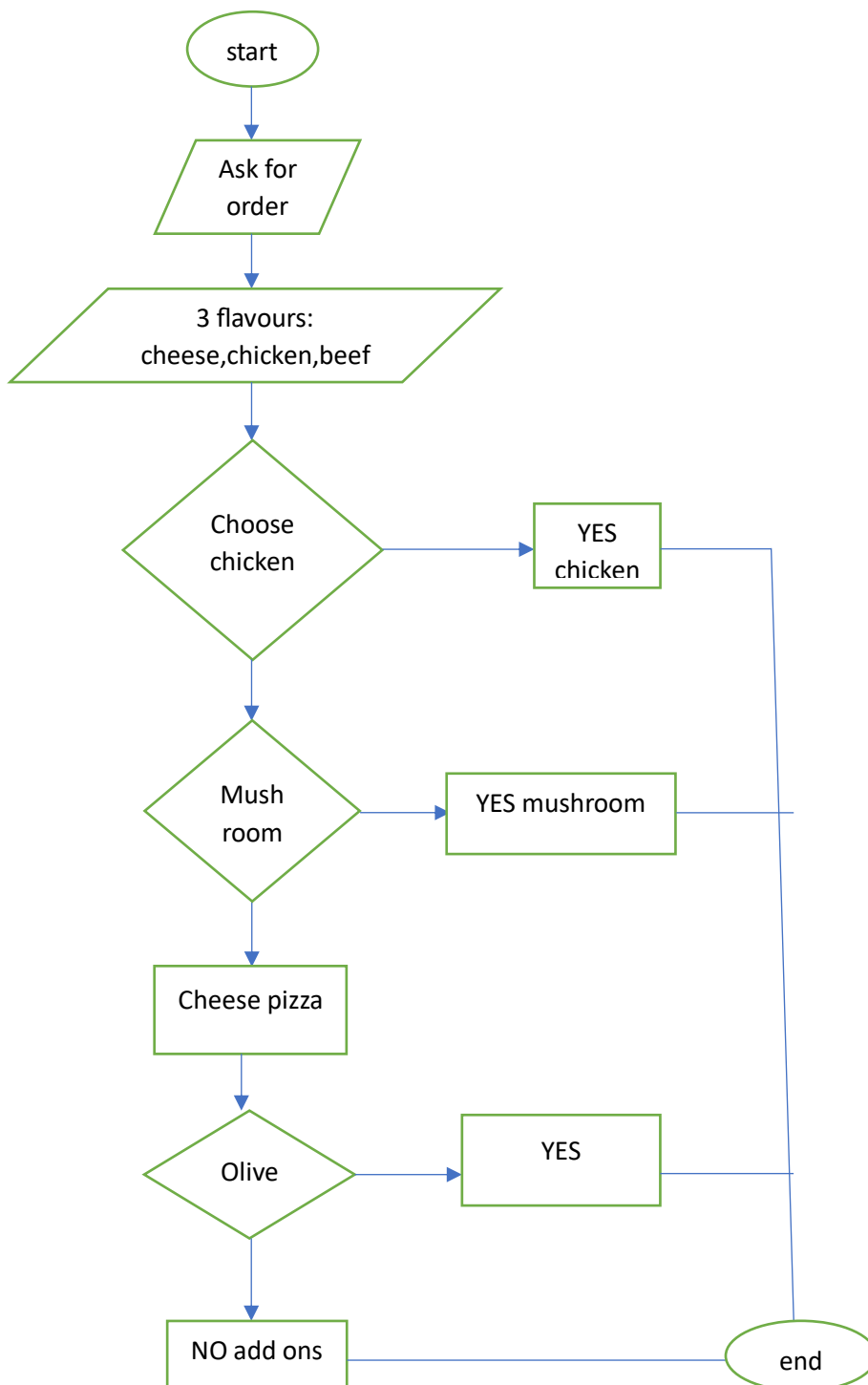


1.Designing a restaurant

Algorithm

1. Ask the customer for their order
2. Selection between 2 flavours
3. Offer add-ons
4. If customer agrees offer choice between olives or ni
5. Output completed order

Flowchart



Pseudocode

START

PRINT "available flavours are chicken,cheese and mushroom"

IF chicken is TRUE THEN

SET Order as chicken

ELSE

Cheese is TRUE THEN

SET Order as cheese

ELSE SET order as mushroom

PRINT "do you want olives as an add on?"

IF olives is TRUE THEN

SET Order as order & olives

ELSE

PRINT order

END

2.At the bank

Algorithm

- Start
- Request input for account id
- If account is valid ask for deposit amount
- Update balance statement according to the deposit amount
- End

Pseudocode

START

INPUT accountid

IF accountid is valid THEN

INPUT deposit

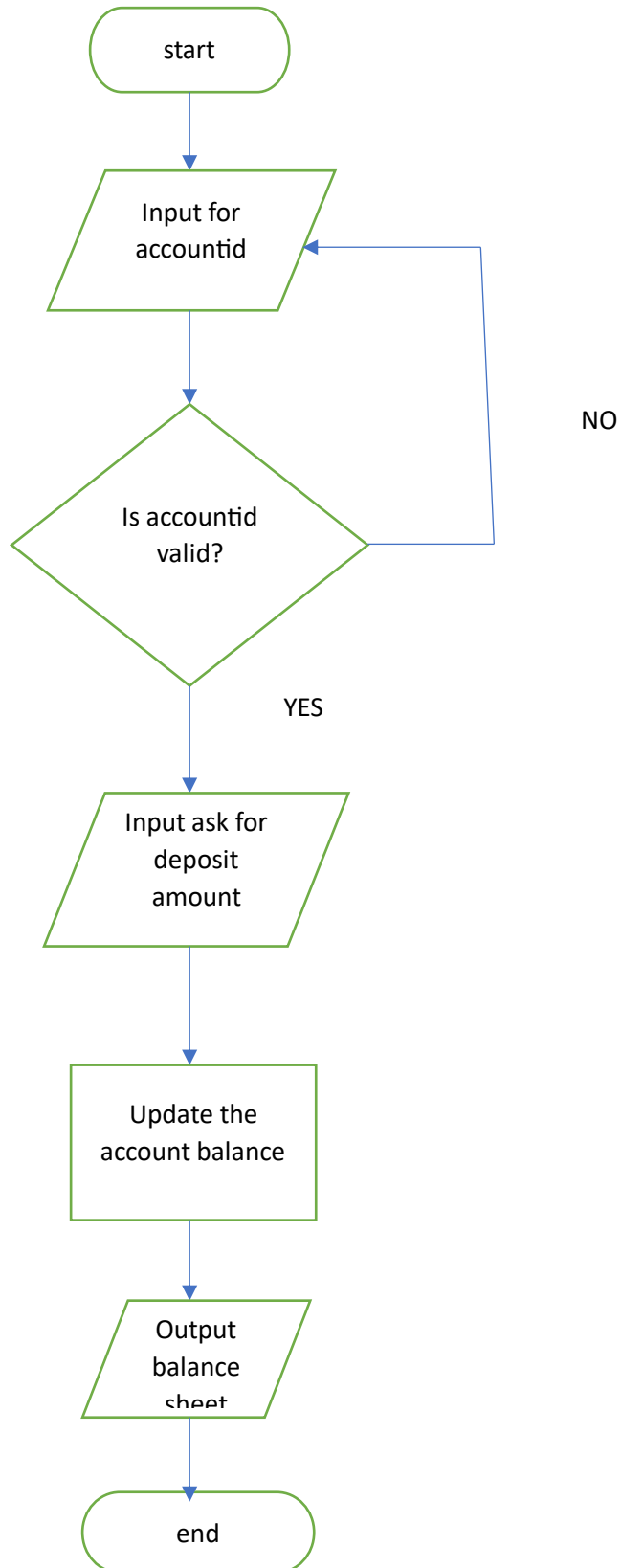
SET deposit

UPDATE accountbalance

PRINT BALANCE STATEMENT

END

Flowchart

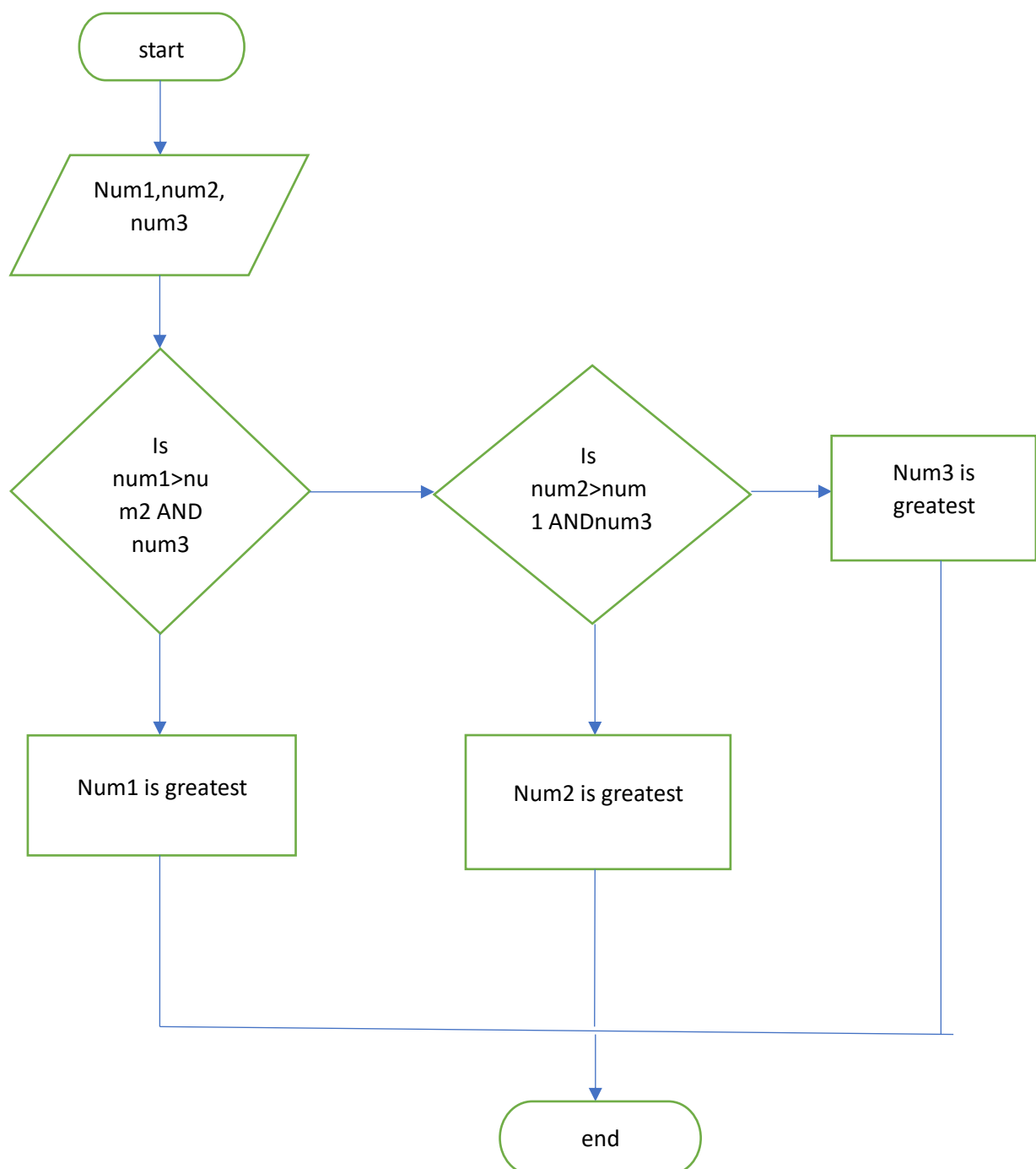


3. Greatest number

Algorithm

- Declare number variables as integers
- Compare numbers
- If num1 is greater than both other numbers then it is the greatest
- If num2 is greater than both other numbers then it is the greatest
- Otherwise num3 is the greatest
- Output the greatest number

Flowchart



Pseudocode

START

INPUT num1

INPUT num2

INPUT num3

IF num1 > num2 AND num3 THEN

 SET greatest as num1

ELSE num2 > num1 AND num3 THEN

 SET greatest as num2

ELSE

 SET greatest as num3

PRINT greatest

END

4. Months

Algorithm

- Assign a number for every month
- 1:January
- 2:February
- 3:March
- 4:April
- 5:May
- 6:June
- 7:July
- 8:August
- 9:September
- 10:October
- 11:November
- 12:December
- Ask for input of month from user
- Output the corresponding number according to the inputted number

5.Simple calculator

Pseudocode

START

INPUT integer

PRINT "addition or subtraction?"

INPUT choice

IF choice is addition THEN

SET Answer as Num1 + num2

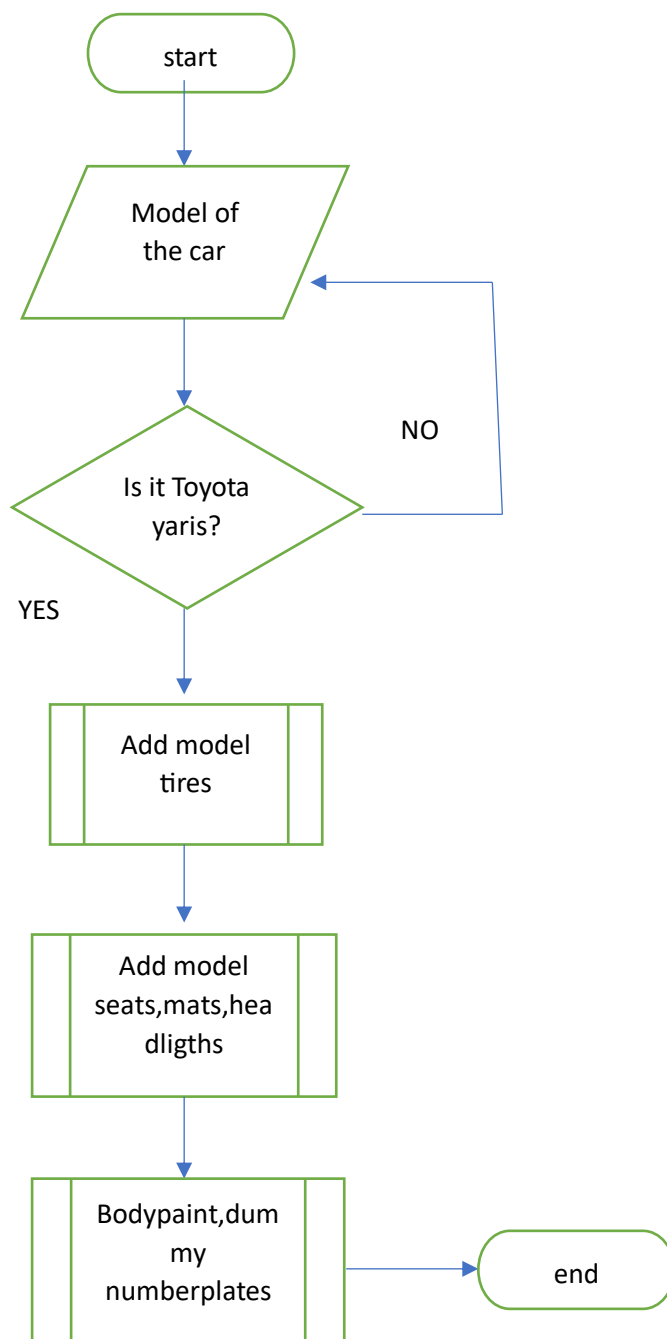
ELSE

SET answer as num1 – num2

PRINT answer

6.Pipeline assembly

Flowchart



7. complexer calculator

Algorithm

- Ask for input of numbers
- Offer choice between +, -, *, /
- Assign values 1 to 4 for the operators respectively
- Perform operation accordingly to the input

8. Done on Github

9. Purpose of .gitignore files

To ensure that certain files that are untracked remain untracked by Git

10. difference between algorithm and pseudocode

Algorithms are set of instructions on how to solve a problem whereas a pseudocode is organize and understand a problem before it is coded. Algorithms are more specific compared to pseudocodes.