

## LAB TASKS

1)

### PSEUDOCODE:

- start
- display greetnigs
- display menu
- get order
- if order is available
  - print "your order has been placed"
- calculate pay
- print pay
- read payment
- IF payment==pay
- print "thank you"
- else display "change"
- print "thank you for the payment"
- else print "your order is not available place another order"
- print "would you like to add on?"
- IF add\_on==yes
  - display add\_on
- else print "thank you for your order"
- end

### ALGORITHM:

- greet the costumor
- put the menu infront of the costumor

- ask the costomer to place an order
- if the order is available, place it.
- calculate the pay of the order
- let the sostomer know the pay
- take payment from the costomer
- if the payment is exactly what was calculated, thank the costomer
- if the payment is greater than the calculated pay, give change to the costumer
- thank the constomer for the payment
- if the order is not available, ask the costomer to place another order
- ask the costomer is they woud like to add on to their order
- if they agree, take the add on
- if they disagree, finalize their order and thank them for placing their order.

2)

PSEUDOCODE:

- start
- display greetings
- read current\_balance
- print "enter the amount to withdraw"
- IF amount==current\_balance
  - display amount
- else print "invalid amount"
- end

ALGORITHM:

- greet the customer
- check the current balance in customer's account

- ask the customer amount that they want to withdraw
- if the amount is within the current balance, give it to the customer
- if the amount is more than the current balance, let the customer know that their amount is invalid.

3)

PSEUDOCODE:

- start
- get the first number, n1
- get the second number, n2
- get the third number, n3
- if  $n1 > n2$ ,  $n1 > n3$ 
  - print "n1 is the greatest"
- else if  $n2 > n1$ ,  $n2 > n3$ 
  - print "n2 is the greatest"
- else print "n3 is the greatest"
- end

ALGORITHM:

- take first number from the user. let it be n1.
- take second number from the user. let it be n2.
- take third number from the user. let it be n3.
- compare n1 with n2 and n3.
- if it is greater than n2 and n3, it is the greatest number.
- if n2 is not greater than n2 and n3, it is not the greatest number.
- compare n2 with n1 and n3
- if n2 is greater than n1 and n3, it is the greatest number.

- if  $n_2$  is not greater than  $n_1$  and  $n_3$ , it is not the greatest number.
- if  $n_1$  and  $n_2$  are not the greatest numbers then  $n_3$  is the greatest number.

4)

ALGORITHM:

- ask the user to enter a number
- if the number is 1, display january
- if the number is 2, display february
- if the number is 3, display march
- if the number is 4, display april
- if the number is 5, display may
- if the number is 6, display june
- if the number is 7, display july
- if the number is 8, display august
- if the number is 9, display september
- if the number is 10, display october
- if the number is 11, display november
- if the number is 12, display december

5)

PSEUDOCODE:

- start
- get first number,  $n_1$
- get second number,  $n_2$
- get operator
- if operator == +
- calculate  $n_1 + n_2$

- else if operator== -
- calculate  $n1-n2$
- else print "invalid operator"
- end

7)

ALGORITHM:

- take first number,  $n1$ , from the user
- take second number,  $n2$ , from the user
- ask the user to enter the operator
- if user enters +, add the two numbers,  $n1+n2$
- if the user enters -, subtract the two numbers,  $n1-n2$
- if the user enters \*, multiply the two numbers,  $n1*n2$
- if the user enters /, divide the two numbers,  $n1/n2$
- if the user enters %, divide the two numbers and calculate the remainder,  $n1\%n2$

9)

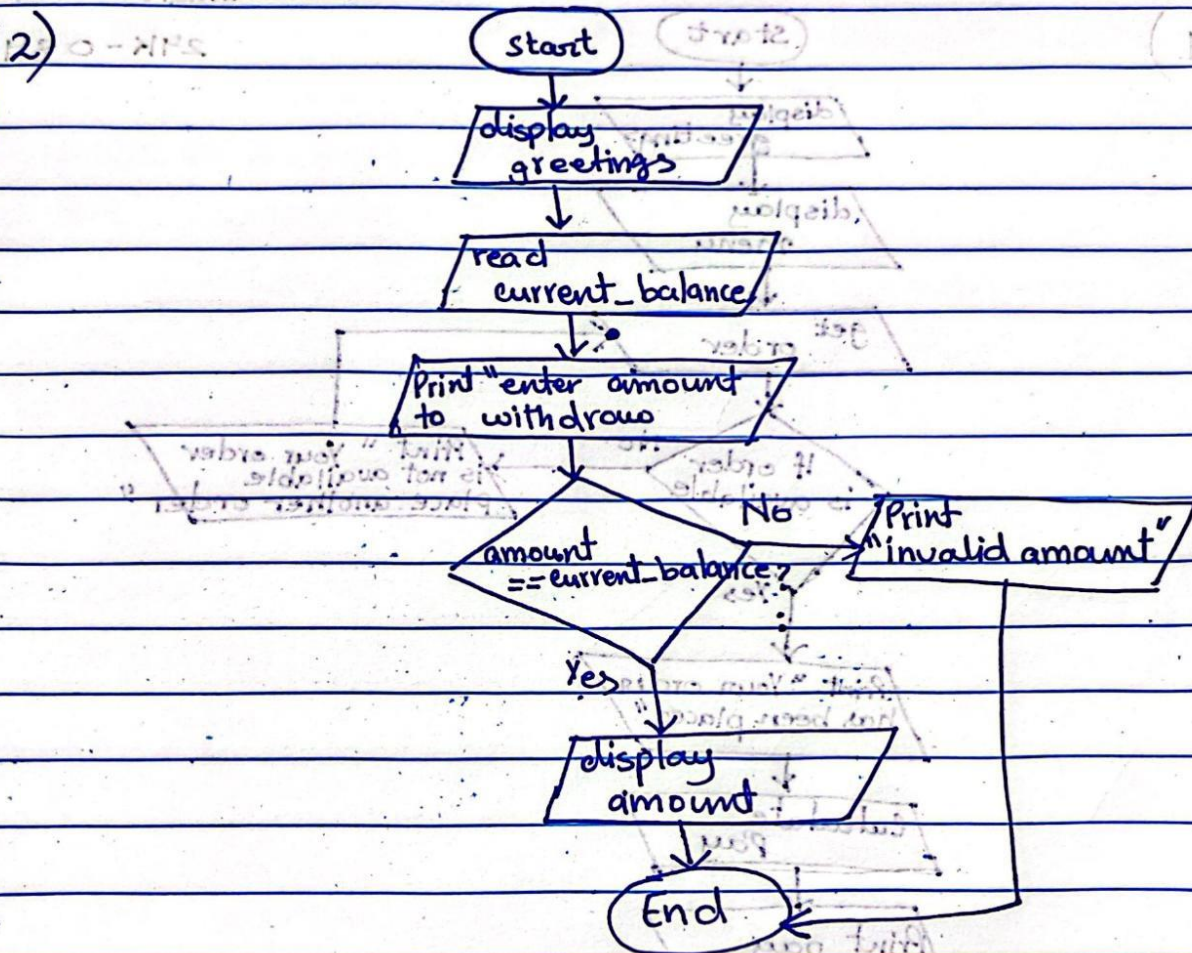
gitignore helps to save a file as a draft which is neither public nor private.

10)

algorithm represents all clear instructions step by step. algorithm uses simple english while pseudocode uses codes.

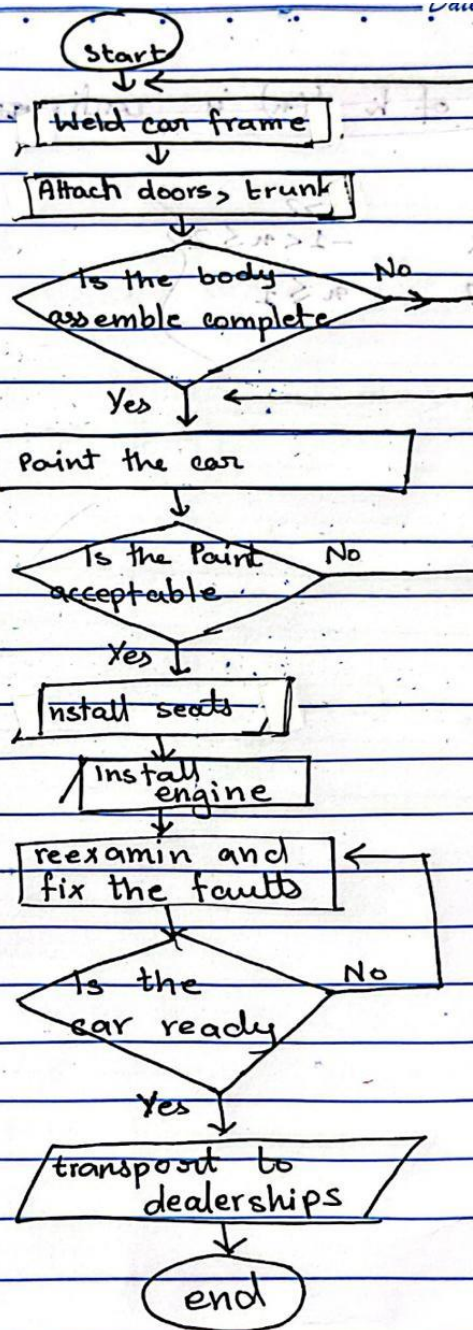
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2)



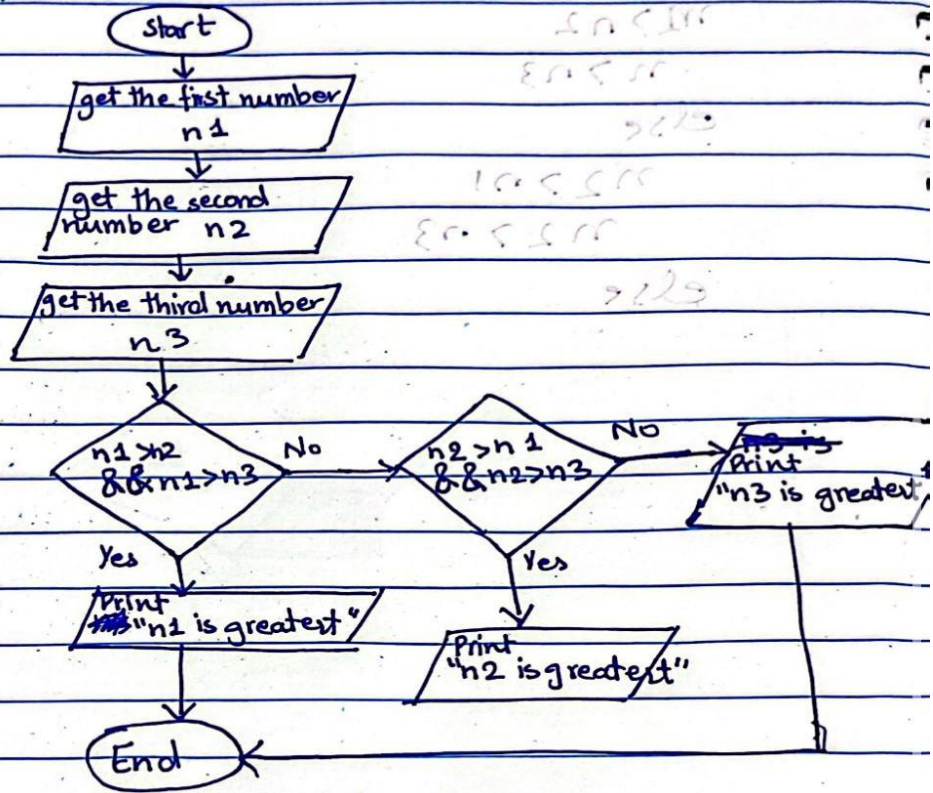
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3)





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1)

