

PROGRAMMING FUNDAMENTALS

Lab 2 Assignment

24K-0020

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Q Task 2:

Pseudocode:

START

INPUT CustomerOrder

INPUT SpecialRequests

SET TotalCost to 0

IF SpecialRequest = TRUE THEN

ADD Special Request to CustomerOrder

END IF

Calculate TotalCost

(Based on Customer Order)

END

Algorithm:

STEP 1: START

STEP 2: Display Menu

STEP 3: Ask Customer to select items

STEP 4: Ask for special requirements

1115: Take Special Requirements

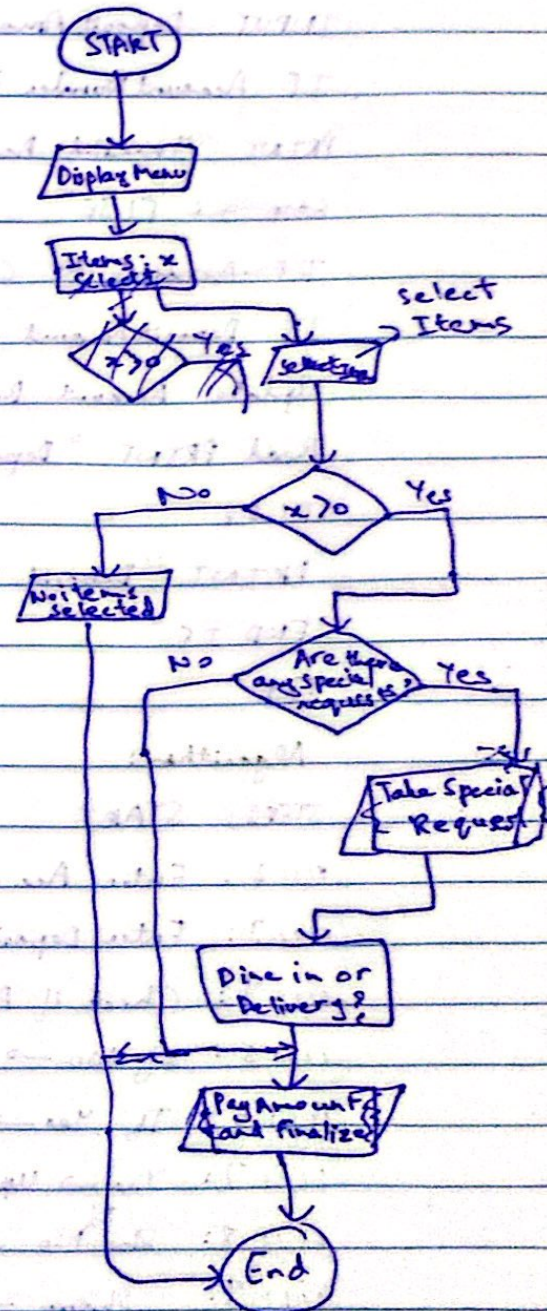
1116: Ask dine in or Delivery

1117: Take Payment and Confirms Order

1118: Finalize Order

1119: END

Flowchart:



Task 2:

Pseudocode:

START

INPUT AccountNumber

INPUT DepositAmount

IF AccountNumber is NOT valid THEN

PRINT "Invalid Account Number"

ELSE

IF DepositAmount > 0

IF DepositAmount = TRUE THEN

Update Account Balance

PRINT "Deposit Successful"

ELSE

PRINT "Deposit unsuccessful"

END IF

END

Algorithm:

STEP1: START

STEP 2: Enter Acc No

STEP 3: Enter Deposit Amount

STEP 4: Check if Acc No valid

STEP 5: If No → Show Error

STEP 6: If Yes → Check if Deposit Amount > 0

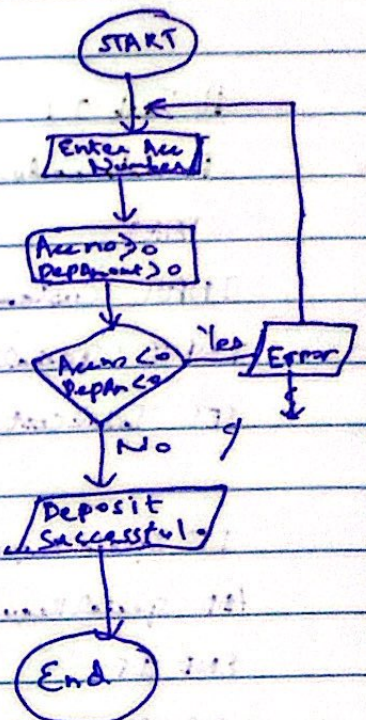
STEP 7: Yes → Update Account Balance

STEP 8: Show No → Show Error

STEP 9: Show → "Successfully updated"

STEP 10: END

Flowchart:



Task 3:

Pseudocode:

START

Enter X Y Z

IF $X > Y$, $X > Z$

THEN READ "X is the largest"

END IF

IF $Y > X$, $Y > Z$

THEN READ "Y is the largest"

END IF

IF $Z > X$, $Z > Y$

THEN READ "Z is the largest"

END IF

END

Algorithm:

START Step 1: ~~Start~~ START.

Step 2: Input X Y Z

Step 3: Check if $X > Y$ and $X > Z$

Step 4: If yes ~~check~~ READ "X is largest"

Step 5: If not THEN check $Y > X$ and $Y > Z$

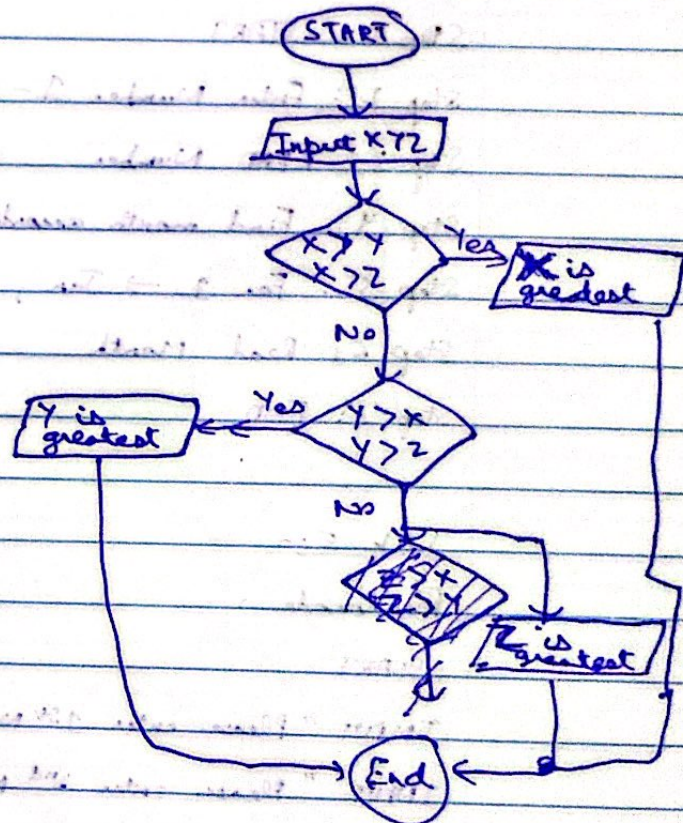
Step 6: If yes READ "Y is largest"

Step 7: If not READ "Z is largest"

Step 8: END

~~Step 9:~~

Flowchart:



Task 4:-

~~Pseudocode~~: Algorithm:

Step 1: START

Step 2: Enter Number 1-12

Step 3: READ Number

Step 4: Find month according to number

Step 5: For 1 → Jan, 2 → Feb, 12 → Dec

Step 6: Read Month

Step 7: END

Task 5:-

Pseudocode:

START

INPUT "Please enter 1st Number", Num 1

INPUT "Please enter 2nd Number", Num 2

INPUT "Please enter your operator", Operator

WHEN Operator = "+",

Ans: Num 1 + Num 2

OUTPUT "The answer is", Ans

WHEN Operator = "-",

Ans: Num 1 - Num 2

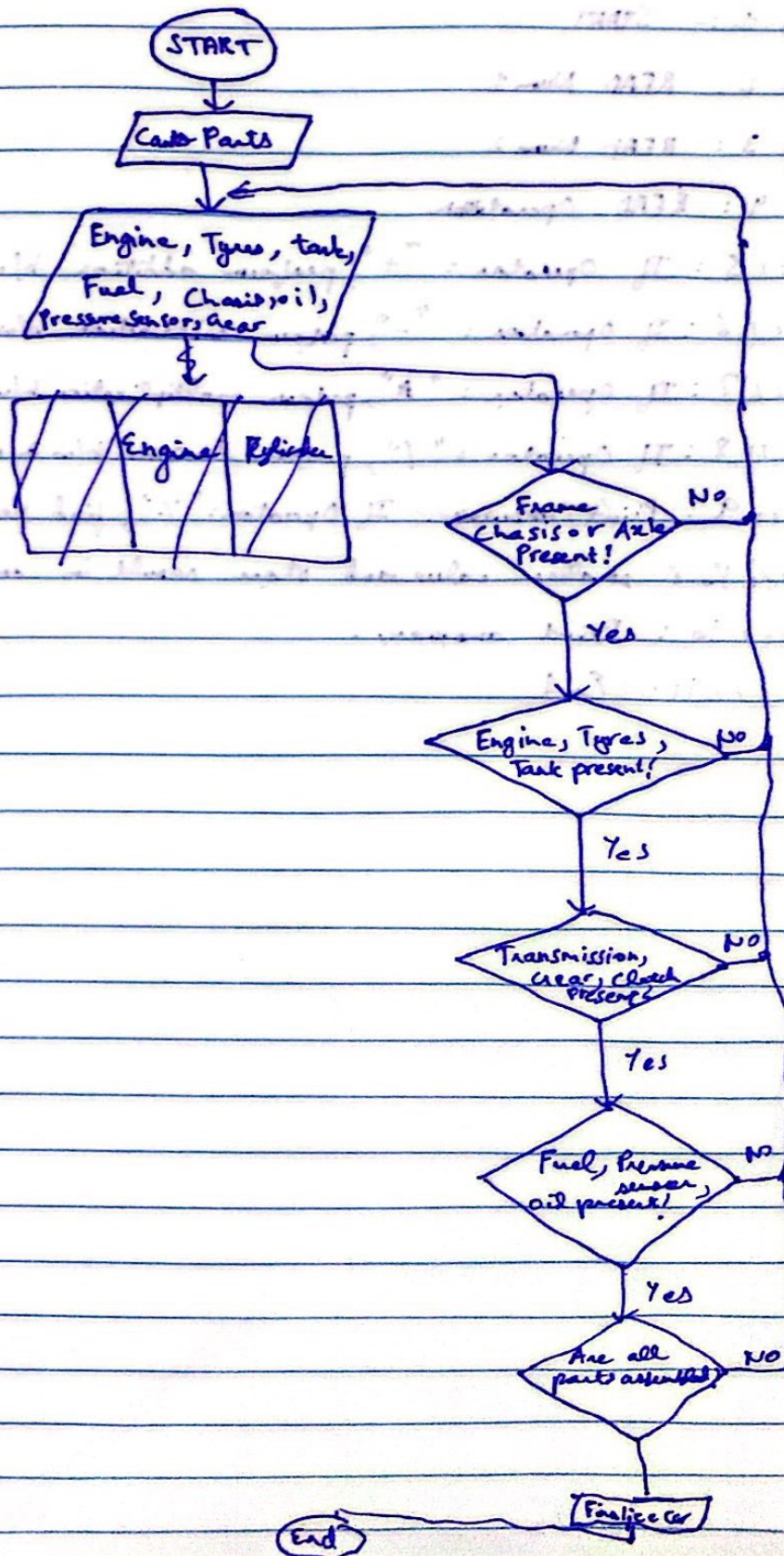
OUTPUT "The answer is", Ans

OTHERWISE:

OUTPUT "Invalid operator entered".

END

Task 6 :-



Date: _____

Task 7:- (Algorithm)

Step 1 :- START

Step 2 : READ Num 1

Step 3 : READ Num 2

1114 : READ Operation

1115 : If Operator = "+", perform addition b/w 2 numbers and store result in ans

1116 : If Operator = "-", perform subtraction b/w 2 numbers and store result in ans

1117 : If Operator = "*", perform multiplication b/w 2 numbers and store result in ans

1118 : If Operator = "/", perform division b/w 2 numbers and store result in ans

1119 : Print/xxxxx:- If Operator = "%", find percentage of a value to it's

1119.1 % of smaller value and store result in ans.

11110 : Print xxxxx.

11111 : End