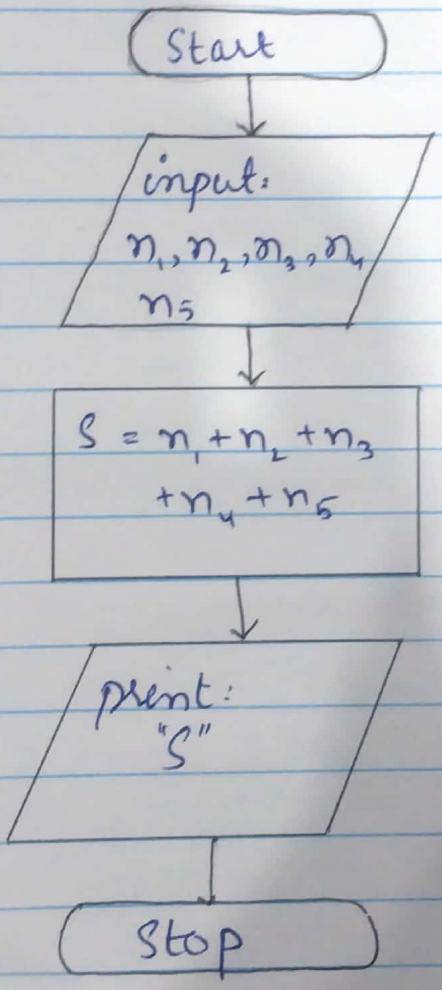
Date:

FLOW CHARTS:

Task: 1

Q Draw a flowchart that find the sum of five numbers.

Ans



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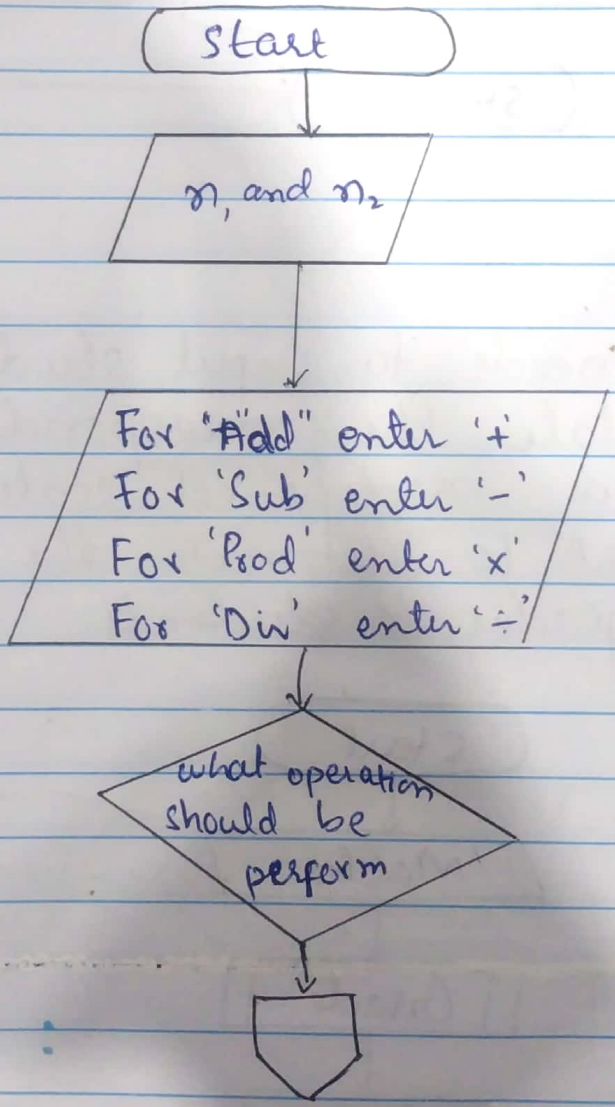
Date

Task: 2

Q Create a flowchart to design a simple calculator that can perform addition, subtraction, multiplication and division. Use the base structure of a flowchart.

Ans



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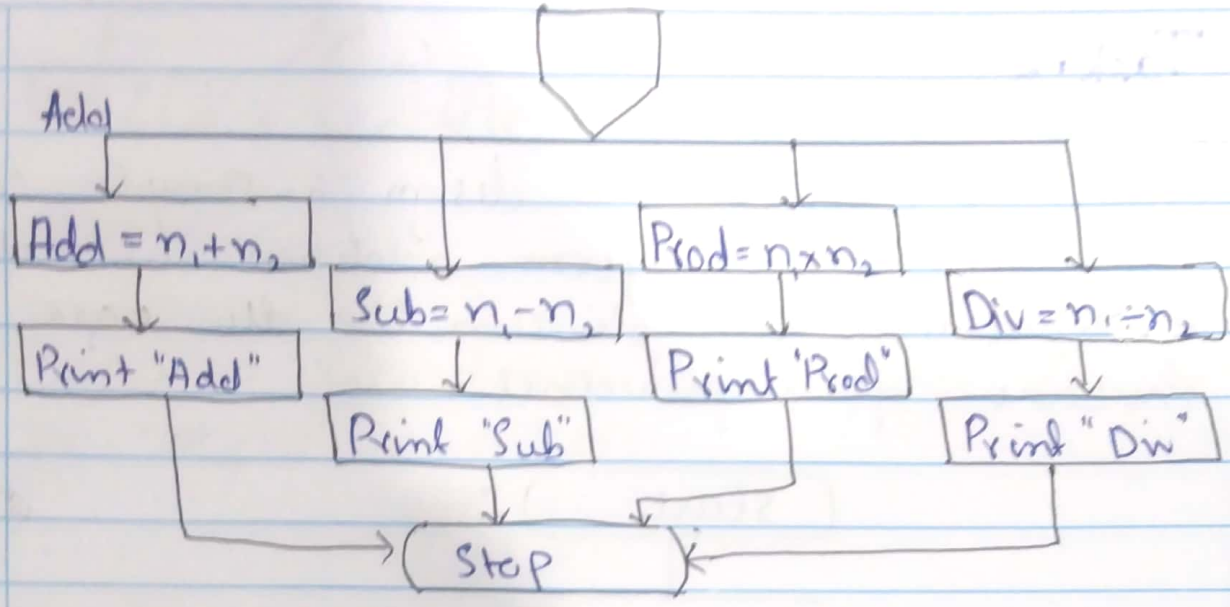
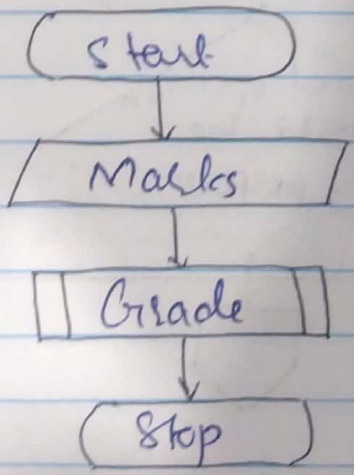


Task: 3

Q A teacher needs to input student scores and calculate the corresponding grade based on a predefined scale. Create a flowchart to automate the process of assigning grades to students.

Ans:



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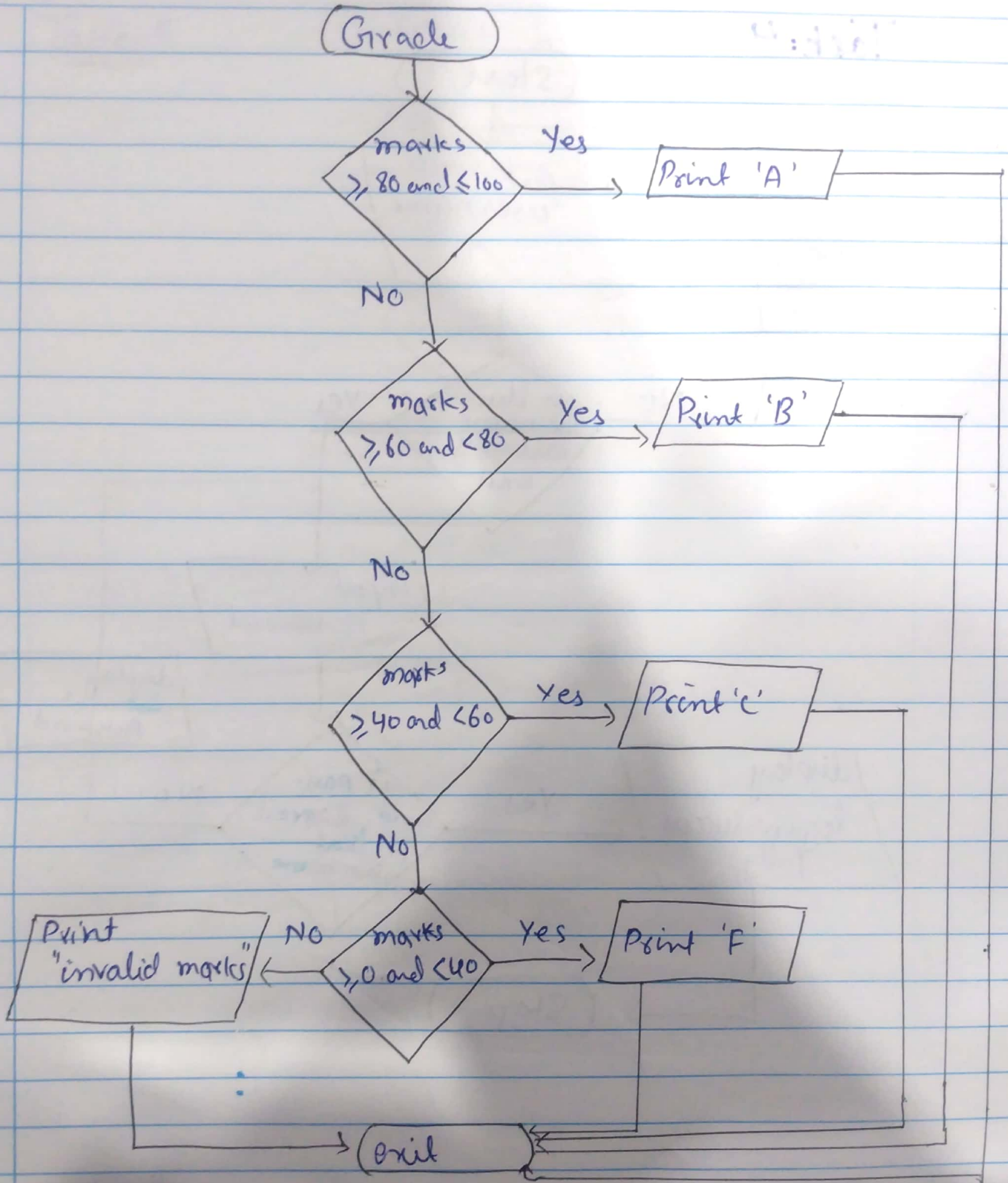

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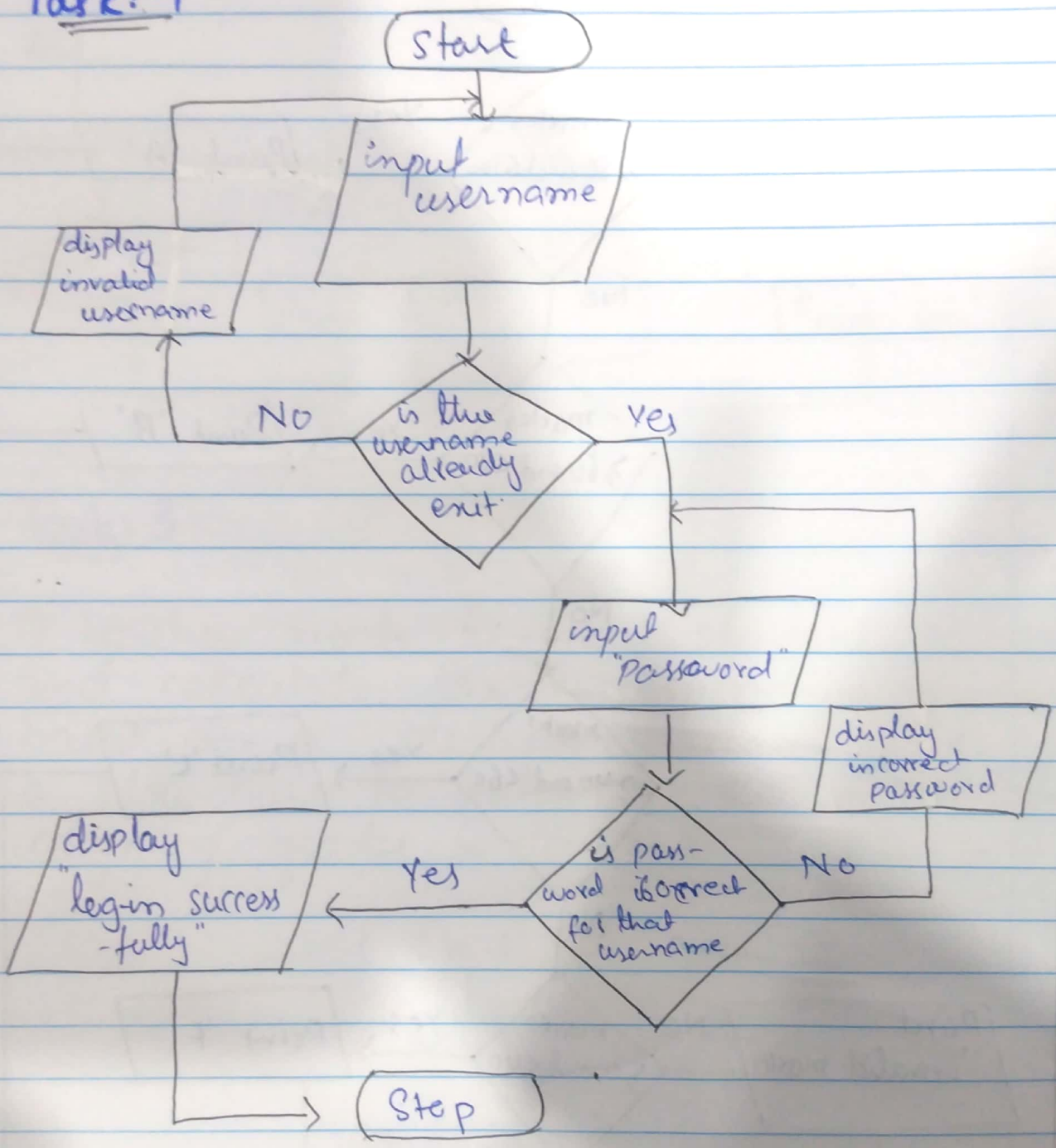
Task: 4



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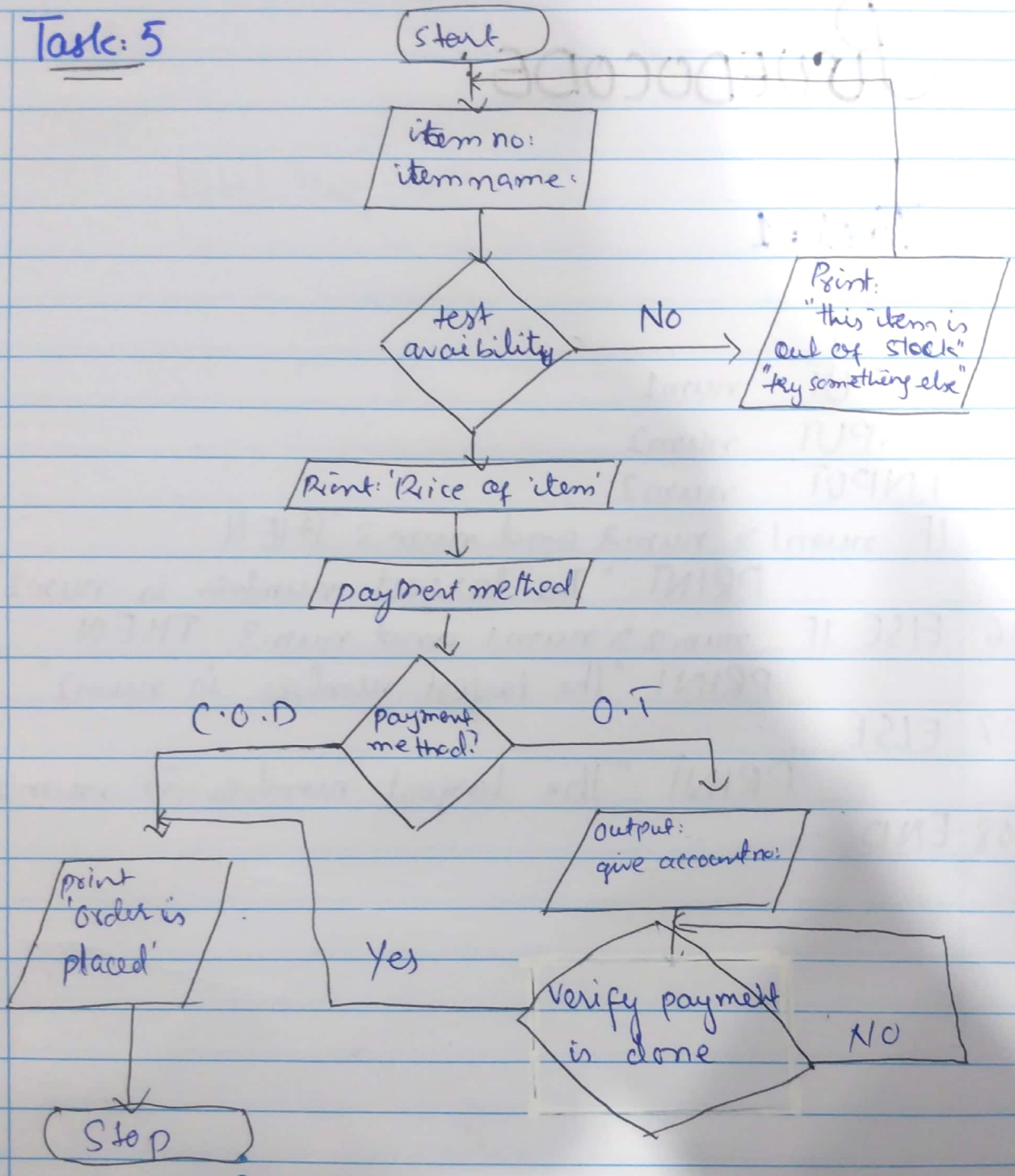
Task: 5



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PSUEDOCODE:

Task: 1

```
01 START
02 INPUT  num1
03 INPUT  num2
04 INPUT  num3
05 IF num1 > num2 and num3 THEN
        PRINT "The largest number is num1"
06 ELSE IF num2 > num1 and num3 THEN
        PRINT "The largest number is num2"
07 ELSE
        PRINT "The largest number is num3"
08 END
```

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Date:

Task: 2

```
01 START
02 INPUT    Hours_Parked
03 SET      Total fee = 0
04 IF       Hours_Parked == 1 THEN
               SET Total fee = 5
05 ELSE
               SET Total fee = 5 + (Hours parked * 3)
06 DISPLAY  " Parking fee is : total fee".
07 END
```

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Date:

Task:3

```
01 START
02 SET Total_payment = 0
03 REPEAT
       INPUT Itemprice
       SET totalpayment = total payment + itemprice
04 UNTIL all INPUTS are taken
05 IF Totalpayment > 100 THEN
       SET Newpayment = Total payment * (10/100)
       PRINT "Newpayment"
06 ELSE
       PRIN "Total payment"
07 END
```

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Task : 4

```
01 START
02 INPUT  number
03 IF number/2 == 0 THEN
       PRINT "The number is even".
04 ELSE
       PRINT "The number is odd".
05 END
```

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Date:

ALGORITHM:

Task: 1

01 Ask the user to enter the no. of days they attended.
02 Set total no. of days in semester = 86
03 Set percentage to (the no. of days they attended / total no. of days in semester
04 IF percentage < 75 THEN display a warning for the user.
05 ELSE display appericiation letter for the user

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Date

Task : 2

01 Ask the user no. of hours worked (h)
02 Ask the user pay rate per hour (₹/h)
03 Set gross pay to (h * ₹/h)
04 Display "gross pay"

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Date:

Task: 3

1 Ask the user n_1
2 Ask the user n_2
3 Ask the user operation (out of "addition,
4 Subtraction, multiplication, division" and
remainder").
5 IF operation is addition then
set result = $n_1 + n_2$
6 Else if operation is subtraction, then
set result = $n_1 - n_2$
7 Else if operation is multiplication, then
set result = $n_1 * n_2$
8 Else if operation is division, then
set result = $n_1 \% n_2$
9 Else ask the user to enter operation
again
10 Display result to the user.

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Task: 4

1 Ask the user to enter no of items (
2 Ask the user to enter price of each item.
3 Set cost to sum of price of each item
4 Ask customer for tip
5 If customer agrees, then
Set new cost to sum of cost and (cost/100)*15
And display new cost for the user
6 Else display the cost for the user.

Task: 5

Ask the user to enter percentage (%)
If % is greater than 90 less than equal to 100
then display "A"
If % is greater than 70 less than 90 then
display "B"
If % is greater than 50 less than 70 then
display "C"
If % is less than 50 then
display "F"
Else
display "reenter the percentage".
End.

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