Exp No: 1- A **STUDENT GRADE ANALYSIS**

Date: 29/ 11/22

AIM:

To draw a flow chart and write and algorithm for student grade analysis.

ALGORITHM:

Step 1: Start

Step 2: Read the number of students n

Step 3: Check for the condition i<n

3.1: If yes go to step 4

3.2: If no, then its not valid so, break

Step 4: Get student name, roll number,m1, m2, m3

Step 5: Calculate the percentage using the formula, m1+m23+m3/3*100

Step 6: Check for the condition, 100>=percentage>90 6.1: If yes, print name, roll number, "O+" and stop

6.2: If no, then go to the next condition.

Step 7: Check for the condition, 90>=percentage>80

7.1: If yes, print name, roll number, "O" and stop

7.2: If no, then go to the next condition

Step 8: Check for the condition, 80>=percentage>70

8.1: If yes, print name, roll number, "A" and stop

8.2: If no, then go to the next condition

Step 9: Check for the condition, 70>=percentage>60

9.1: If yes, print name, roll number, "B" and stop

9.2: If no, print name, roll number, "Fail" and stop

Step 10: Increment of i by 1

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PSEUDO CODE

START

READ number of students n

IF i< n THEN

GET student name , roll number m1,m2,m3

ELSE

BREAK

CALCULATE percentage using formula,(m1+m2+m3)/3*100

IF 100>=percentage >90 THEN

PRINT name,roll number,"o+" STOP

ELIF 90>=percentage>80 THEN

PRINT name,roll number,"o +" STOP

ELIF 80>=percentage>70 THEN

PRINT name,roll number,"A" STOP

ELIF 70>=PERCENTAGE>70 then

Print NAME,ROLL NUMBER "B" STOP

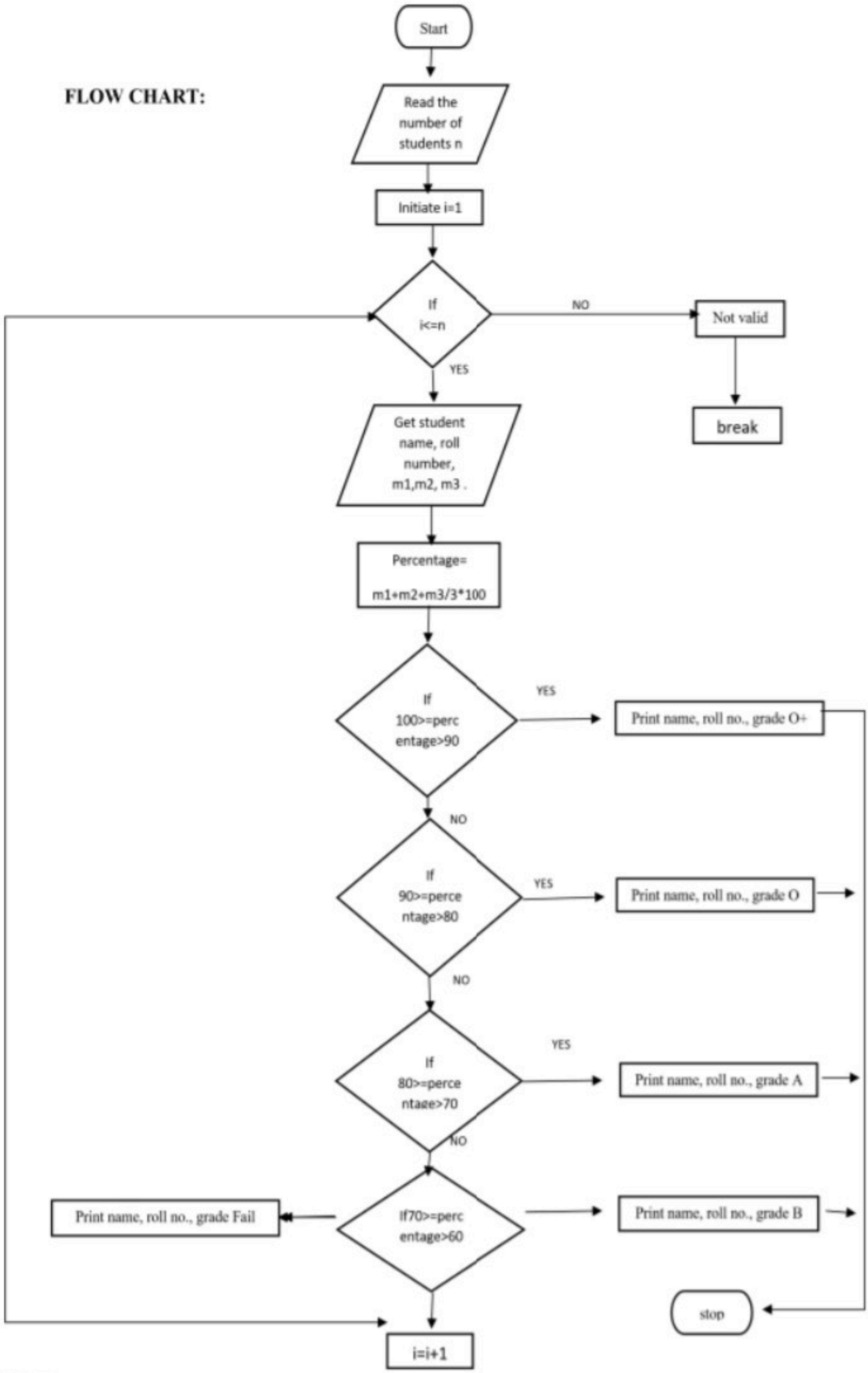
ELIF

PRINT name, roll number "fail" STOP

I=I+1

STOP

FLOW CHART:



RESULT:

Thus, the flowchart and the algorithm is written for the problem

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