1. Problem Definition
   1. Input:
      * Student ID
      * Name
      * Course
      * Year
      * 4 Major Exam Scores (Prelim, Midterm, Semi-Finals, Finals)
   2. Process
      * Total Score = prelim + midterm + semifinals + finals
      * Average Score = total score / 4
      * If average score is => 70 write “PASS”, else “FAILED”
   3. Output
      * Total Average
      * Average Score
      * Student ID
      * Name
      * Course
      * Year
      * 4 major exams
2. Algorithm
   1. Pseudocode

BEGIN

SET totalscore=0, average=0

INPUT studID, course, year, name, prelim, mid, semi, final

CALCULATE totalscore = prelim + mid + semi + final

CALCULATE average = totalscore/4

DISPLAY totalscore, averagescore, name, course, studID, year

If (average score >= 70)

DISPLAY “PASSED”

Else

DISPLAY “FAILED”

END

* 1. Flowchart

BEGIN

END

INPUT  
studID, name, degree, year, prelim, mid, semi, final

CALCULATE

total = prelim + mid + semi + final

average = total/4

PRINT

Total, Average

If average score >= 70

PRINT

PASSED

PRINT

FAILED

TRUE

FALSE