

I Shall Pass

Scores for three 100-point exams of students are to be processed by this program.

The task is simply to assess whether a student passes or not based on the following criteria:

- [1] A student passes if all three examinations are passed.
- [2] A student may pass if only one subject is failed and the overall average is greater than or equal to 50.
- [3] The pass mark for an individual exam is 40 points.

Input Format (input: **pass.in**)

Read input from file. See Sample Input below.

**Note that the score cannot be negative.*

Output Format (output: **standard output**)

If a student passes, display "Passed"; otherwise, display "Failed".

If any of the scores entered are invalid, display "Invalid Data".

Sample Input

Exam 1 Score: 56

Exam 2 Score: 41

Exam 3 Score: 95.5

Sample Output

Passed