In this problem you need to calculate the average marks of a student. You need to generate your own exceptions depending on the following situations.

1. invalidInputRangeException -> When any input number is not in the range of 0-100.

2. suspicousOutputException -> If the calculated average is more than 95.

3. studentFailedException -> If the average is less than 40.

4. studentFailedinAllsubjectException -> If a student fails in every subject.

You need to maintain the given priority for generating Exception. If you do not find any exception, print the average marks of the student.

Construct your own student class where you need to keep the marks and calculate average.

Sample Input/Output:

4-> total number of subjects

90

90

100

100

Average: 95.000

4

96

98

99

100

suspicousOutputException !! No average can be shown.