Program-11

The result of a quiz competition is to be prepared as follows:  
  
The quiz has five questions with four multiple choices (A, B, C, D), with each question carrying 1 mark for the correct answer. Design a program to accept the number of participants N such that N must be greater than 3 and less than 11. Create a double-dimensional array of size (Nx5) to store the answers of each participant row-wise. Calculate the marks for each participant by matching the correct answer stored in a single-dimensional array of size 5. Display the scores for each participant and also the participant(s) having the highest score.  
  
Example: If the value of N = 4, then the array would be:  
 Q1 Q2 Q3 Q4 Q5  
Participant 1 A B B C A  
Participant 2 D A D C B  
Participant 3 A A B A C  
Participant 4 D C C A B  
Key to the question: D C C B A  
  
Note: Array entries are line fed (i.e. one entry per line)  
  
Test your program for the following data and some random data.  
  
Example 1  
  
INPUT:  
N = 5  
Participant 1 D A B C C  
Participant 2 A A D C B  
Participant 3 B A C D B  
Participant 4 D A D C B  
Participant 5 B C A D D  
Key: B C D A A  
  
OUTPUT:  
Scores:  
Participant 1 = 0  
Participant 2 = 1  
Participant 3 = 1  
Participant 4 = 1  
Participant 5 = 2  
Highest Score:  
Participant 5  
  
Example 2  
  
INPUT:  
N = 4  
Participant 1 A C C B D  
Participant 2 B C A A C  
Participant 3 B C B A A  
Participant 4 C C D D B  
Key: A C D B B  
  
OUTPUT:  
Scores:  
Participant 1 = 3  
Participant 2 = 1  
Participant 3 = 1  
Participant 4 = 3  
Highest Score:  
Participant 1  
Participant 4  
  
Example 3  
  
INPUT:  
N = 12  
  
OUTPUT:  
INPUT SIZE OUT OF RANGE.