

```

1  /// Final 2555-2: Qualified Examinees (Struct + 1 Array)
2  /// Author Pinyo Taeprasartsit
3
4  #include <stdio.h>
5
6  struct Student {
7      char ID[6];
8      int score;
9  } typedef Student;
10
11  int main() {
12      int N, i;
13      int sum = 0;
14      scanf("%d", &N);
15      Student A[10000];
16
17      // Read Input and compute sum of scores
18      for(i = 0; i < N; ++i) {
19          scanf("%s %d", &A[i].ID, &A[i].score);
20          sum += A[i].score;
21      }
22      double d = sum / (double) N;
23
24      // Count the number of qualified examinees
25      int count = 0;
26      for(i = 0; i < N; ++i) {
27          if(A[i].score >= d) {
28              ++count;
29          }
30      }
31      printf("%d\n", count);
32
33      // List the IDs of qualified examinees
34      for(i = 0; i < N; ++i) {
35          if(A[i].score >= d) {
36              printf("%s\n", A[i].ID);
37          }
38      }
39
40      return 0;
41  }

```