

```
1  #include <stdio.h>
2
3  int main() {
4      int N, K;
5      scanf("%d %d", &N, &K);
6      int capacity1 = K;
7      int capacity2 = K;
8      for(int i = 1; i <= N; ++i) {
9          int gender, score1, score2;
10         scanf("%d %d %d", &gender, &score1, &score2);
11         if(gender == 1 && score1 >= 9 && capacity1 > 0) {
12             printf("%d 1\n", i);
13             --capacity1;
14         } else if(gender == 2 && score2 >= 9 && capacity2 > 0) {
15             printf("%d 2\n", i);
16             --capacity2;
17         } else if(score1 >= 9 && capacity1 > 0) {
18             printf("%d 1\n", i);
19             --capacity1;
20         } else if(score2 >= 9 && capacity2 > 0) {
21             printf("%d 2\n", i);
22             --capacity2;
23         }
24         if(capacity1 == 0 && capacity2 == 0)
25             break;
26     }
27
28     return 0;
29 }
```