COMPENSATION TASK FOR CPL LAB

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BATCH: A2

EXP 2

INPUT:

```
#include <stdio.h>


int main() {
    int n, m;
    scanf("%d %d", &n, &m);
    int menus[n][m];
    for (int i = 0; i < n; i++) {
        for (int j = 0; j < m; j++) {
            scanf("%d", &menus[i][j]);
        }
    }

    int max_good_prices = 0;
    int most_updated_menu = -1;

    for (int i = 0; i < n; i++) {
        int good_prices = 0;
        int max_price = menus[i][0];
        for (int j = 1; j < m; j++) {
            if (menus[i][j] > max_price) {
                max_price = menus[i][j];
            }
```

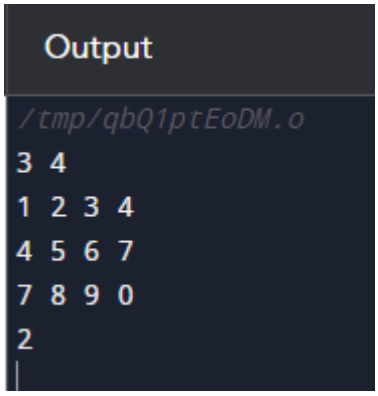
```
    }
    for (int j = 0; j < m; j++) {
        if (menus[i][j] == max_price) {
            good_prices++;
        }
    }
    if (good_prices > max_good_prices) {
        max_good_prices = good_prices;
        most_updated_menu = i;
    } else if (good_prices == max_good_prices) {
        double avg_price_current = 0.0;
        double avg_price_previous = 0.0;
        for (int j = 0; j < m; j++) {
            avg_price_current += menus[i][j];
            avg_price_previous += menus[most_updated_menu][j];
        }
        avg_price_current /= m;
        avg_price_previous /= m;
        if (avg_price_current > avg_price_previous) {
            most_updated_menu = i;
        }
    }
}

printf("%d\n", most_updated_menu);

return 0;
```

}

OUTPUT:



RESULT: Sample Test Cases Passed

Refer judge environment

Note: When you **Compile & Test code,** the code is run against sample inputs. When you **Submit code,** the code is run against sample input as well as multiple hidden test cases. In order to solve the problem, your code must pass all of the test cases.

Time (sec)	Memory (KiB)	Language
0.008790	2	C

Input

```
3 4
1 2 1 10
3 2 3 4
1 3 3 2
```

Output

```
2
```

Expected Correct Output

```
2
```