

## High Five

Given a list of scores of different students, return the average score of each student's **top five scores** in **the order of each student's id**.

Each entry `items[i]` has `items[i][0]` the student's id, and `items[i][1]` the student's score. The average score is calculated using integer division.

### Example 1:

Input:

```
[[1,91],[1,92],[2,93],[2,97],[1,60],[2,77],[1,65],[1,87],[1,100],[2,100],[2,76]]
```

Output: `[[1,87],[2,88]]`

Explanation:

The average of the student with id = 1 is 87.

The average of the student with id = 2 is 88.6. But with integer division their average converts to 88.

### Note:

1. `1 <= items.length <= 1000`
2. `items[i].length == 2`
3. The IDs of the students is between 1 to 1000
4. The score of the students is between 1 to 100
5. For each student, there are at least 5 scores

### Solution:

```
class Solution {
    public int[][] highFive(int[][] items) {
        Map<Integer, ArrayList> scoreMap = new HashMap<>();

        //Added elements to the HasMap where Student id is the key and
        for(int i = 0; i < items.length; i++){
            if(scoreMap.containsKey(items[i][0])){
                ArrayList scoreList = scoreMap.get(items[i][0]);
                scoreList.add(items[i][1]);
            }
        }
    }
}
```

```

        //Collections.sort(scoreList, Collections.reverseOrder());
        scoreMap.put(items[i][0], scoreList);
    }else {
        ArrayList<Integer> scoreList = new ArrayList<>();
        scoreList.add(items[i][1]);
        scoreMap.put(items[i][0], scoreList);
    }
}
for(Map.Entry<Integer,ArrayList> entry: scoreMap.entrySet()){
    Collections.sort(entry.getValue(),Collections.reverseOrder());

}
//Added keys to [i][0] index
int [][] arr = new int [scoreMap.size()][2];
int i =0;
for(int num : scoreMap.keySet()){
    arr[i][0] = num;
    i++;
}
i = 0;
for(ArrayList arrList : scoreMap.values()){
    int sum =0;
    int avg =0;
    for(int j =0; j< arrList.size() && j<5; j++){
        sum = sum + (int)arrList.get(j);
    }
    if(arrList.size() > 5){
        avg = sum/5;
    }else {
        avg = sum/arrList.size();
    }
    arr[i][1] = avg;
    i++;
}
return arr;
}
}

```