∷ 알고리즘	완전탐색
⊚ 레벨	1
■ 작성 일자	@September 20, 2024

🔐 스 터 디 그 룹 코드

박건웅

```
# normal solution
def solution(answers):
    s1_{response} = [1, 2, 3, 4, 5]
    s1 score = 0
    s2_{response} = [2,1,2,3,2,4,2,5]
    s2\_score = 0
    s3_{response} = [3, 3, 1, 1, 2, 2, 4, 4, 5, 5]
    s3\_score = 0
    for index in range(len(answers)):
        s1_index = index % len(s1_response)
        if answers[index] == s1_response[s1_index]:
            s1_score += 1
        s2_index = index % len(s2_response)
        if answers[index] == s2_response[s2_index]:
            s2\_score += 1
        s3_index = index % len(s3_response)
        if answers[index] == s3_response[s3_index]:
            s3\_score += 1
    dict_scores = {
        1: s1_score,
        2: s2_score,
        3: s3_score
    }
    answer = []
    for student in dict_scores:
        if len(answer) == 0:
            answer.append(student)
        else:
```

```
if dict_scores[student] > dict_scores[answer[-
                answer = [student]
            elif dict_scores[student] == dict_scores[answe
                answer.append(student)
    answer.sort()
    return answer
# dictionary solution
def solution(answers):
    dict_students = {
        1: {
            'response':[1,2,3,4,5],
            'score':0
        },
        2: {
            'response':[2,1,2,3,2,4,2,5],
            'score':0
        },
        3: {
            'response':[3,3,1,1,2,2,4,4,5,5],
            'score':0
        }
    }
    for index in range(len(answers)):
        for student in dict_students:
            student_index = index % len(dict_students[stud
            if dict_students[student]['response'][student_
                dict_students[student]['score'] += 1
    answer = []
    for student in dict_students:
        if len(answer) == 0:
            answer.append(student)
        else:
            if dict_students[student]['score'] > dict_stud
                answer = [student]
            elif dict_students[student]['score'] == dict_s
                answer.append(student)
```

```
answer.sort()
     return answer
손동현
 def solution(answers):
     math_1_score = 0
     math_2 score = 0
     math_3\_score = 0
     math_1 = [1, 2, 3, 4, 5]
     math_2 = [2, 1, 2, 3, 2, 4, 2, 5]
     math_3 = [3, 3, 1, 1, 2, 2, 4, 4, 5, 5]
     for i in range(len(answers)):
         if math_1[i \% 5] == answers[i]:
              math_1_score += 1
         if math_2[i \% 8] == answers[i]:
              math_2_score += 1
         if math_3[i % 10] == answers[i]:
              math_3_score += 1
     max_score = max(math_1_score, math_2_score, math_3_sco
     top_students = []
     if math_1_score == max_score:
         top_students.append(1)
     if math_2_score == max_score:
         top_students.append(2)
     if math_3_score == max_score:
         top_students.append(3)
     return top_students
```

```
이다경
 def def_answer(student, answers):
     ans = 0
     for i in range(0, len(answers)):
         if student[i % len(student)] == answers[i]:
             ans += 1
     return ans
 def solution(answers):
     answer = []
     a1 = [1, 2, 3, 4, 5]
     a2 = [2, 1, 2, 3, 2, 4, 2, 5]
     a3 = [3, 3, 1, 1, 2, 2, 4, 4, 5, 5]
     a1_answer = def_answer(a1, answers)
     a2_answer = def_answer(a2, answers)
     a3_answer = def_answer(a3, answers)
     answer_list = [a1_answer, a2_answer, a3_answer]
     for i in range(len(answer_list)):
         if max(answer_list) == answer_list[i]:
             answer.append(i+1)
     return answer
김상민
 def solution(answers):
     answer = []
     first = [1, 2, 3, 4, 5]
     second = [2, 1, 2, 3, 2, 4, 2, 5]
     third = [3, 3, 1, 1, 2, 2, 4, 4, 5, 5]
     cnt = [0, 0, 0]
     for i, k in enumerate(answers):
         if first[i % 5] == k:
```