

ALL OF THE STUDENTS AND THEIR COHORT NAME

JS

```
/* FROM students */
const result = input.students.map(student => {
  /* JOIN cohorts ON cohort.id = students.cohort_id */
 const cohort = input.cohorts.find(cohort => {
   return cohort.id === student.cohort_id
 })
  /* SELECT
     students.id,
     students.name AS student_name,
     cohorts.name AS cohort_name
 return {
   id: student.id,
    student_name: student.name,
    cohort_name: cohort.name
```

JS 27ms

```
/* FROM students */
const result = input.students.map(student => {
 /* JOIN cohorts ON cohort.id = students.cohort_id */
 const cohort = input.cohorts.find(cohort => {
   return cohort.id === student.cohort_id
 })
 /* SELECT
     students.id,
     students.name AS student_name,
     cohorts.name AS cohort_name
 return {
   id: student.id,
    student_name: student.name,
    cohort_name: cohort.name
```

SQL 7ms

SELECT

```
students.id,
students.name AS student_name,
cohorts.name AS cohort_name
FROM students
JOIN cohorts
ON cohorts.id = students.cohort_id;
```

12 Cohorts

72725 Assignment Submissions

ALLOFTHESTUDENTS AND THE NUMBER OF COMPLETED ASSIGNMENTS

JS

```
/* FROM students */
const result = input.students.map(student => {
  /* JOIN assignment_submissions
     ON assignment_submissions.student_id = students.id */
  const submissions = input.assignment_submissions
  .filter(submission => {
    return submission.student_id === student.id
 }).length
  /* SELECT
     students.id,
     students.name,
     count(assignment_submissions.id) AS assignments_complete
  return {
   id: student.id,
    student_name: student.name,
   assignments_complete: submissions
```

JS 1122ms

```
/* FROM students */
const result = input.students.map(student => {
 /* JOIN assignment_submissions
     ON assignment_submissions.student_id = students.id */
 const submissions = input.assignment_submissions
  .filter(submission => {
    return submission.student_id === student.id
 }).length
  /* SELECT
    students.id,
     students.name,
     count(assignment_submissions.id) AS assignments_complete
 return {
   id: student.id,
   student_name: student.name,
   assignments_complete: submissions
```

SQL 42ms

```
students.id,
  students.name,
  count(assignment_submissions.id)
  AS assignments_complete
FROM students
JOIN assignment_submissions
ON assignment_submissions.student_id = students.id
GROUP BY students.id;
```

INDEX THE COUNT BY STUDENTID

712ms
315

42ms SQL

SCENARIOS

Hey Developer, I need to know...

Find all inactive cohorts and identify how many assistance requests were made per student on average.



Find all the students who are currently active and display the number of complete and the total assignments for the program.



Find all the teachers who are currently active and display the number of assistance requests they completed since the beginning of December.



Find all active students that have a rating of less than 2.



Find all active students and display their requests per day and average rating.



Find out how many assistance requests have been created for each assignment.



Find out which assignments a specific student hasn't finished.



DECISIONS DECISIONS S43 DECISIONS

SHORT





LONG

PERFORMANCE =



