

Select from one table

--This query displays information from the ALUMNI table

```
SELECT * FROM ALUMNI
```

Equi join for two tables

--This query joins to tables based on primary key and foreign key

```
SELECT *  
FROM UNIVERSITY JOIN CAMPUS  
ON UNIVERSITY.unique_ID = CAMPUS.UNIVERSITY_unique_ID
```

Aggregation for two tables

--This query counts number of colleges/schools from COLLEGE_SCHOOL while left joining ACADEMIC_DEPARTMENT based on primary key and foreign key and groups results using ACADEMIC_DEPARTMENT.Unique_ID column

```
SELECT ACADEMIC_DEPARTMENT.Unique_ID, COUNT(COLLEGE_SCHOOL.Name) AS NumberOfcollegeschools FROM  
COLLEGE_SCHOOL  
LEFT JOIN ACADEMIC_DEPARTMENT ON COLLEGE_SCHOOL.Unique_ID =  
ACADEMIC_DEPARTMENT.COLLEGE_SCHOOL_Unique_ID  
GROUP BY ACADEMIC_DEPARTMENT.Unique_ID
```

Grouping for three tables

--This query displays information from three tables using inner join and returns the count for number of academic departments in the university. The results are grouped using three columns that are of the same value; primary key and two foreign keys.

```
SELECT MENTOR.ACADEMIC_DEPARTMENT_unique_ID,  
COUNT(ACADEMIC_DEPARTMENT.name_) AS NumberOfacademicdepartments  
FROM ((ACADEMIC_DEPARTMENT  
INNER JOIN MENTOR  
ON ACADEMIC_DEPARTMENT.unique_ID = MENTOR.ACADEMIC_DEPARTMENT_unique_ID)  
INNER JOIN MENTEE  
ON ACADEMIC_DEPARTMENT.unique_ID = MENTEE.ACADEMIC_DEPARTMENT_unique_ID)  
GROUP BY ACADEMIC_DEPARTMENT.unique_ID, MENTOR.ACADEMIC_DEPARTMENT_unique_ID,  
MENTEE.ACADEMIC_DEPARTMENT_unique_ID
```

Inner join for three tables

--This query inner joins three tables based on one primary key and two foreign keys

```
SELECT *  
FROM ((ACADEMIC_DEPARTMENT  
INNER JOIN MENTOR ON ACADEMIC_DEPARTMENT.Unique_ID = MENTOR.ACADEMIC_DEPARTMENT_Unique_ID)  
INNER JOIN MENTEE ON ACADEMIC_DEPARTMENT.Unique_ID = MENTEE.ACADEMIC_DEPARTMENT_Unique_ID)
```