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Lesson 5: Joins and Unions

1. Join the film to the film\_actor table.

SELECT \* FROM film

FULL OUTER JOIN film\_actor

ON film.film\_id = film\_actor.film\_id

1. Join the actor table to the film\_actor table.

SELECT \* FROM actor

FULL OUTER JOIN film\_actor

ON actor.actor\_id = film\_actor.actor\_id

1. Try to join the actor, film\_actor, and film table together (3 joins!)

SELECT \* FROM film

LEFT JOIN film\_actor

ON film.film\_id = film\_actor.film\_id

FULL OUTER JOIN actor

ON actor.actor\_id = film\_actor.actor\_id;

1. Using the following Link <https://github.com/niteen11/cuny_lagcc_micro_credential_data_analytics/tree/main/Track%20A/Unit%205%20-%20SQL_%20Relational%20Databases/guided%20exercise>

And attached data set (Student\_data and Student\_marks ) answer the following questions :

SELECT DISTINCT first\_name, student.last\_name, student\_marks.unit4 FROM student, student\_marks WHERE unit4 = 100;

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|  |  |
|  |  |
|  | SELECT DISTINCT first\_name, student.last\_name, student\_marks.unit4 FROM student, student\_marks WHERE unit4 BETWEEN 89 AND 100; |
|  |
|  |

OPEN ENDED QUESTIONS

* + - 1. What is the mean of unit 4?
      2. What is the median of unit 4?
      3. What is the email address of the last 10 students with lowest marks?
      4. What is the most reoccurring first\_name?
      5. What is the most reoccurring last\_name?
      6. What is the number of the highest marks student in all units?
      7. What is the number of the lowest marks student in all units?
      8. Which gender has the highest marks?
      9. Which unit has the highest marks?
      10. What is the address of a random student?