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DATA-202
Milestone 3 - Remnants

Important Queries

Sebastian: To see every employee that worked on a given service night, execute the following query:

SELECT DISTINCT employee_id FROM shift WHERE shift && '[Start Date, End Date]'
Ex. SELECT DISTINCT employee_id FROM shift WHERE shift&& '[2023-01-01,2023-01-02]'
This query will return the employee ids of all employees that worked on the date given

Sebastian: To see our total sales on a given service night, execute the following query:

SELECT SUM(bar_sales + kitchen_sales) AS total_sales FROM service_night WHERE date='date'
Ex. SELECT SUM(bar_sales + kitchen_sales) AS total_sales FROM service_night WHERE night='2023-01-01'
This query wil return the total sales on a given service night

Sebastian: To figure out how much cash tips to give each employee from a given night of service (assuming that cash tips are split evenly), execute the following query:

```
WITH total_cash_tips AS (
  SELECT SUM(cash_tips) AS total_cash_tips
  FROM "Final Project".service_night
  WHERE night = 'date'
), total_count AS (
  SELECT COUNT(DISTINCT employee_id) AS total_count
  FROM "Final Project".shift
  WHERE shift && '[start date, end date)'
)
SELECT total_cash_tips.total_cash_tips / total_count.total_count AS
avg_cash_tips_per_employee
FROM total_cash_tips, total_count;
```

```
Ex. WITH total_cash_tips AS (
  SELECT SUM(cash_tips) AS total_cash_tips
  FROM "Final Project".service_night
  WHERE night = '2023-01-01'
), total_count AS (
  SELECT COUNT(DISTINCT employee_id) AS total_count
  FROM "Final Project".shift
  WHERE shift && '[2023-01-01, 2023-01-02)'
)
SELECT total_cash_tips.total_cash_tips / total_count.total_count AS avg_cash_tips_per_employee
FROM total_cash_tips, total_count;
```