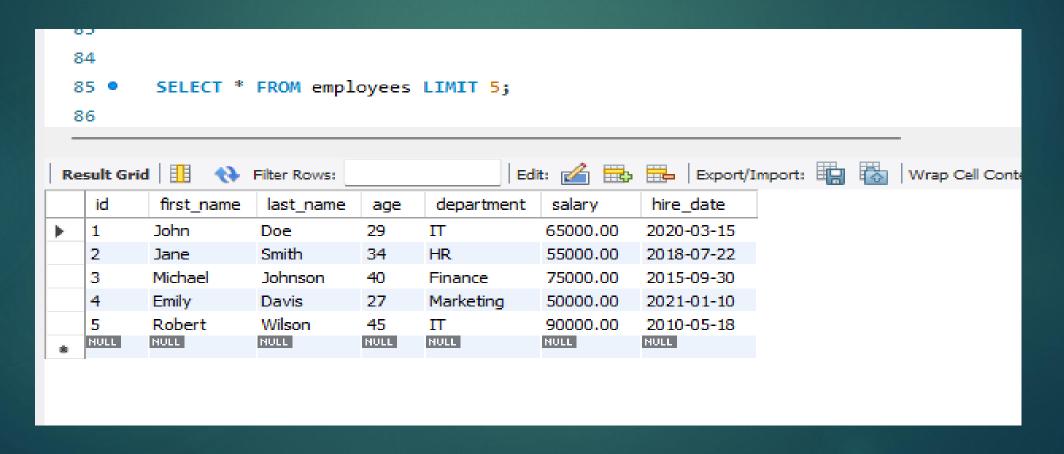
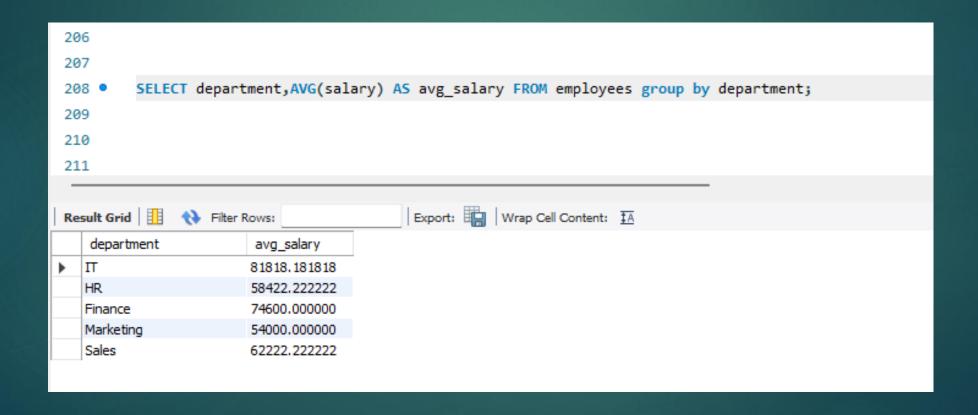
# SQL PROJECT

BY RASHID GHANSAR

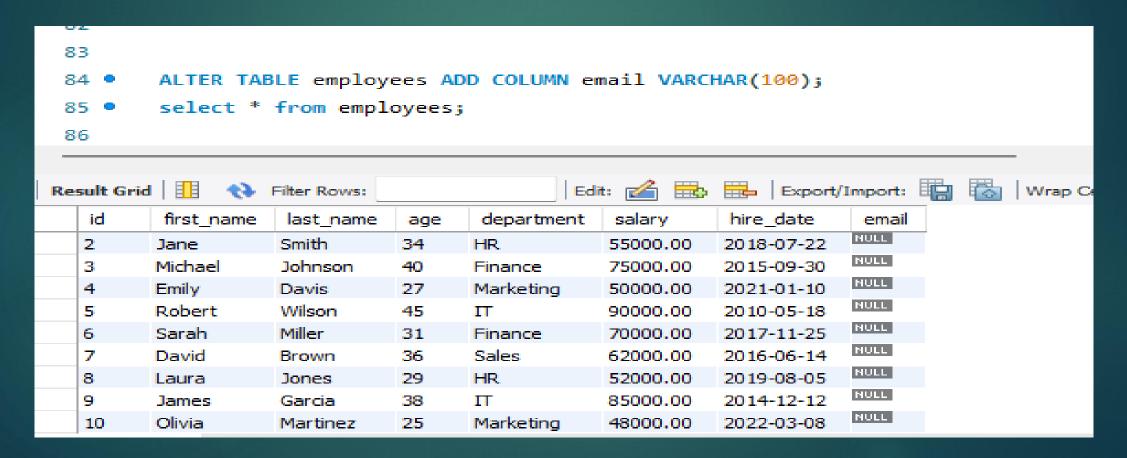
#### View the first 5 rows of the Employee table



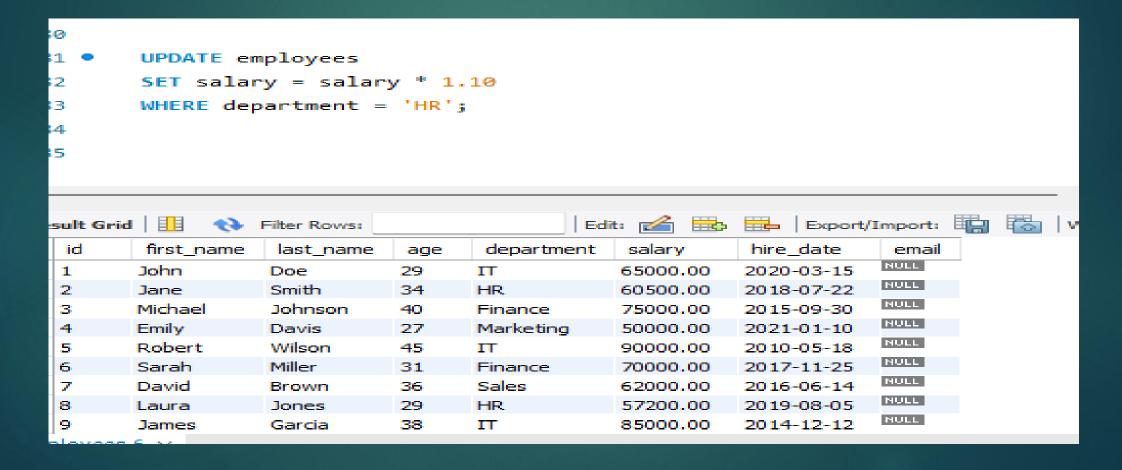
## FIND THE AVERAGE SALARY OF EMPLOYEES GROUP BY DEPARTMENT



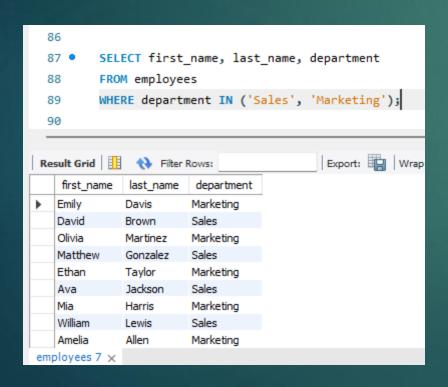
#### Modify the Employee table to add email to the table



#### UPDATE SALARY FOR EMPLOYEES IN THE 'HR' DEPARTMENT BY 10%



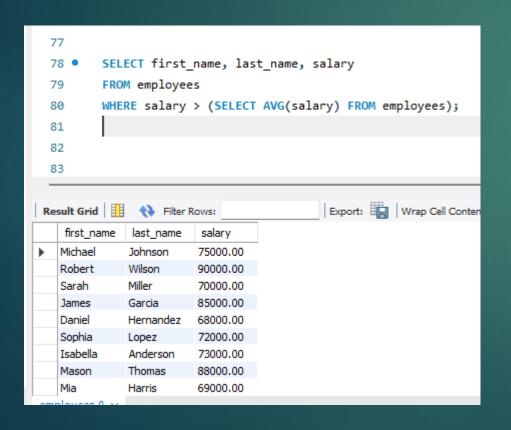
#### FILTERS EMPLOYEES WORKING IN SALES OR MARKETING



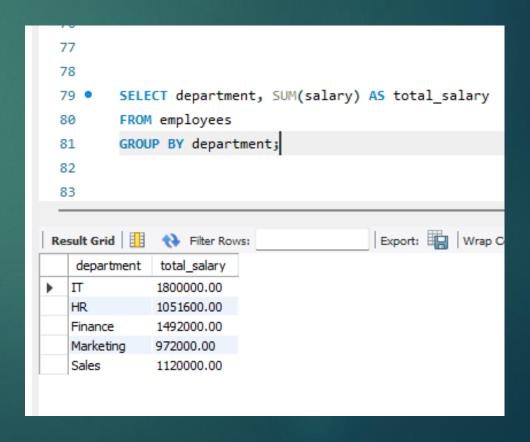
#### FINDS EMPLOYEES WITH 'SON' IN THEIR LAST NAME

```
78
 79
          SELECT first_name, last_name
 80 •
          FROM employees
 81
          WHERE last_name LIKE '%son%';
 82
 83
 84
 85
Result Grid
                Filter Rows:
    first_name
               last_name
   Michael
               Johnson
   Robert
               Wilson
   Isabella
               Anderson
               Jackson
   Ava
   Scarlett
               Nelson
   Michael
               Johnson
               Wilson
   Robert
               Anderson
   Isabella
   Ava
               Jackson
employees 8 ×
```

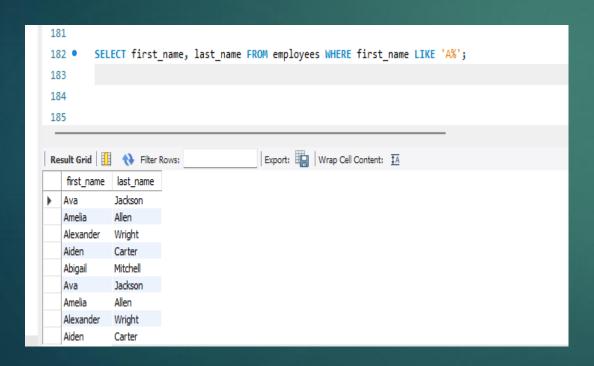
### FINDS EMPLOYEES EARNING ABOVE THE COMPANY'S AVERAGE SALARY



### CALCULATES TOTAL SALARIES FOR EACH DEPARTMENT



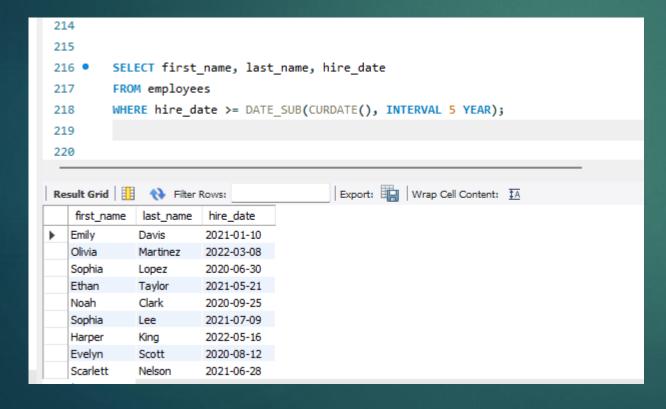
#### FIND EMPLOYEES WHOSE NAMES START WITH 'A'



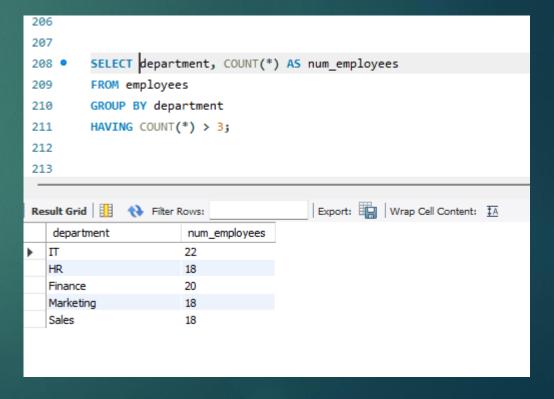
### USE USECASE TO CATEGORIZE EMPLOYEES BY SALARY

```
188
         SELECT first_name, last_name, salary,
189 •
190
                 WHEN salary > 90000 THEN 'High Salary'
191
192
                 WHEN salary BETWEEN 60000 AND 90000 THEN 'Medium Salary'
                 ELSE 'Low Salary'
193
             END AS Salary Category
194
195
         FROM employees;
196
197
Export: Wrap Cell Content: IA
   first_name last_name salary
                                  Salary_Category
                       65000.00
                                 Medium Salary
  John
             Doe
                       60500.00
                                 Medium Salary
  Michael
             Johnson
                       75000.00
                                 Medium Salary
  Emily
             Davis
                        50000.00
                                 Low Salary
  Robert
             Wilson
                       90000.00
                                 Medium Salary
  Sarah
                       70000.00
                                 Medium Salary
  David
                       62000.00
                                 Medium Salary
             Brown
             Jones
                       57200.00
                                 Low Salary
  Laura
             Garcia
                       85000.00
                                 Medium Salary
```

#### FIND EMPLOYEES HIRED IN THE LAST 5 YEARS



### FIND THE NUMBER OF EMPLOYEES WORKING IN EACH DEPARTMENT



### CREATES A VIRTUAL TABLE OF EMPLOYEES EARNING MORE THAN 80,000.

### CALCULATE THE AGE DIFFERENCE BETWEEN TWO EMPLOYEES

