LAB EXERCISE 3-1

Name: _RYAN ANGELO ESCAÑO_   Score:

Date: _____ **Your paragraph text**

OBJECTIVES

- Evaluate logical comparisons to restrict the rows returned based on two or more conditions
- Apply the rules of precedence to determine the order in which expressions are evaluated and calculated

PART 1. VOCABULARY

Identify the vocabulary word for each definition below

_____**DESC**_____ 1. Inverts the value of the condition

_____**AND**_____ 2. Both conditions must be true for a record to be selected

_____**AND Then Or**_____ 3. Rules that determine the order in which expressions are evaluated and calculated

_____**OR**_____ 4. Either condition can be true for a record to be selected

PART 2. TRY AND SOLVE IT

Insert screenshot(s) of the output of your queries if necessary.

1. Execute the two queries below. Why do these nearly identical statements produce two different results? Name the difference and explain why.

```
SELECT code, description
FROM d_themes
WHERE code >200 AND description IN('Tropical', 'Football', 'Carnival');

SELECT code, description
FROM d_themes
WHERE code >200 OR description IN('Tropical', 'Football', 'Carnival');
```
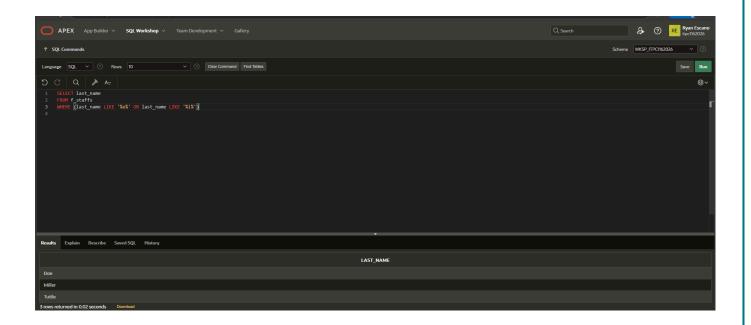
The first queries displays anything above 200 of the table of d_themes is true on the tropical,football,carnival

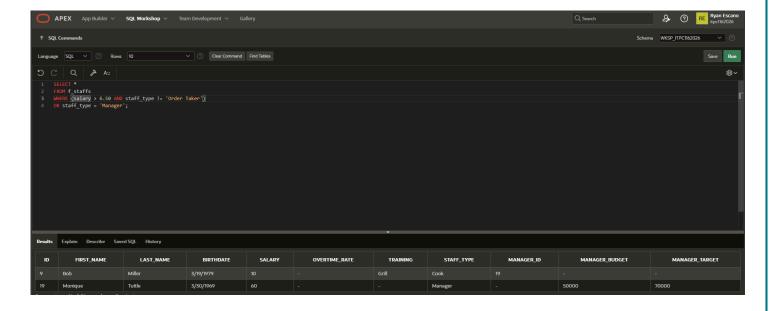**The first queries displays anything above 200 of the table of d_themes is only true on the tropical,football,carnival because the requirements both fit**

The second queries display between the either requirements of the needed code and description from the d_themes
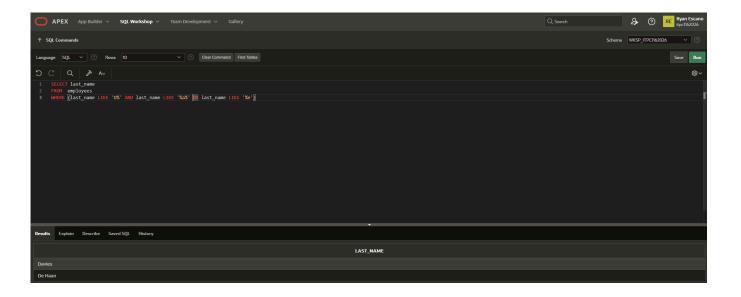
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2. Write the statement to display the last names of all Global Fast Foods employees who have "e" and "i" in their last names.
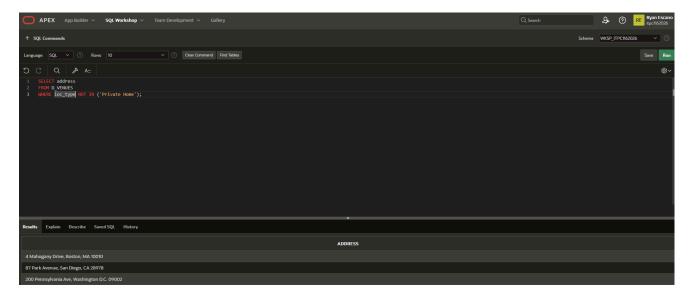

3. Write the statement to know who the Global Fast Foods employees are that make more than $6.50/hour and their position is not an order taker.

4. Using the employees table, write a query to display all employees whose last names start with "D" and have "a" and "e" anywhere in their last name.

5. Write the statement to display in which venues DJs on Demand have events that were not in private homes.

6. Which list of operators is in the correct order from highest precedence to lowest precedence?

    a. AND, NOT, OR
    b. NOT, OR, AND
    c. NOT, AND, OR   Answer: _____**C**_____

For questions 7 and 8, write SQL statements that will produce the desired output.

7. Who am I?
I was hired by Oracle after May 1998 but before June of 1999. My salary is less than $8000 per month, and I have an "en" in my last name.

```
SELECT *
FROM employees
WHERE hire_date > '05-31-1998'
AND hire_date < '06-01-1999'
AND salary < 8000
AND last_name LIKE '%en%'
```

8. What's my email address?
Because I have been working for Oracle since the beginning of 1996, I make more than $9000 per month. Because I make so much money, I don't get a commission

```
SELECT *
FROM employees
WHERE hire_date > '01-01-1998'
AND salary > 9000
AND commission_pct IS NOT NULL
```