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Database Design Project

Oracle Baseball League Store Database

Project Scenario:

You are a small consulting company specializing in database development. You have just been awarded the contract to develop a data model for a database application system for a small retail store called Oracle Baseball League (OBL).

The Oracle Baseball League store serves the entire surrounding community selling baseball kit. The OBL has two types of customer, there are individuals who purchase items like balls, cleats, gloves, shirts, screen printed t-shirts, and shorts. Additionally customers can represent a team when they purchase uniforms and equipment on behalf of the team.

Teams and individual customers are free to purchase any item from the inventory list, but teams get a discount on the list price depending on the number of players. When a customer places an order we record the order items for that order in our database.

OBL has a team of three sales representatives that officially only call on teams but have been known to handle individual customer complaints.

Section 6 Lesson 8 Exercise 2: Sorting Data Using ORDER BY

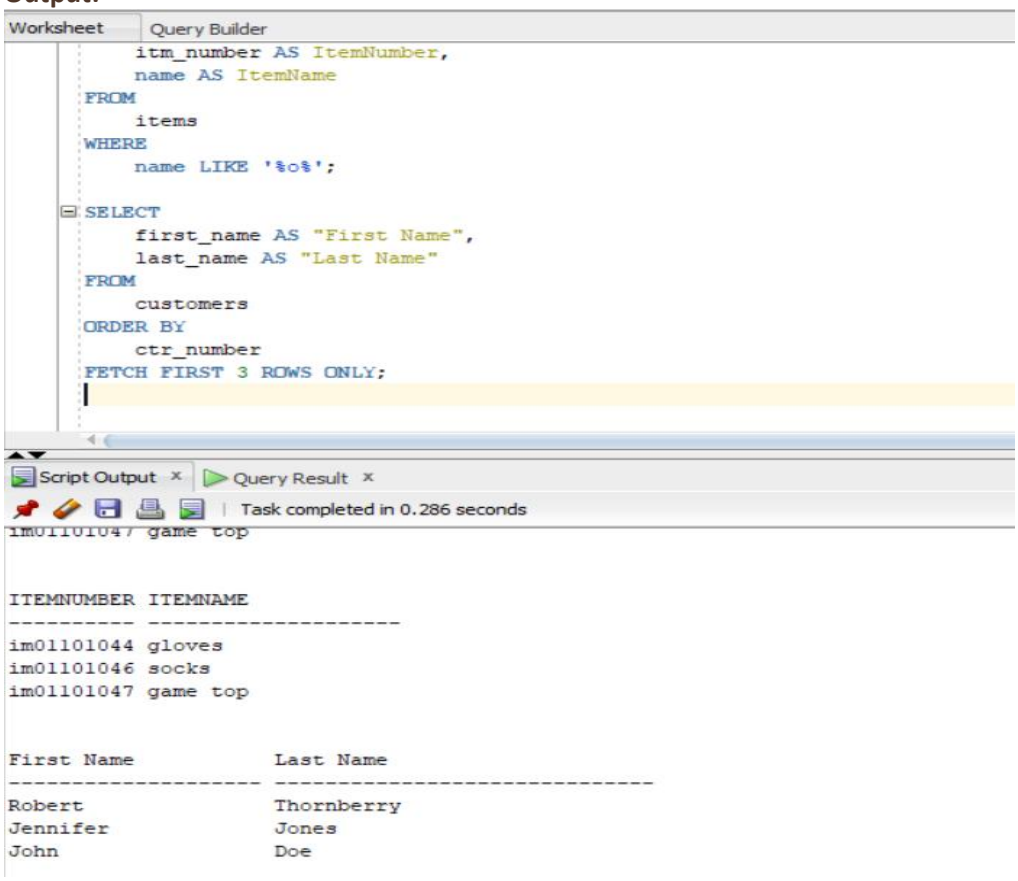
Part 1 : TOP-N-ANALYSIS (S6L8 Objective 3)

1. The customers are numbered sequentially with each new customer being assigned a higher customer number. Use TOP-N-ANALYSIS to only show the First and last name of the first three customers. Show the customers first and last name in the same column using Customer Name as the column alias.

Code:

```
SELECT
   first_name AS "First Name",
   last_name AS "Last Name"
FROM
   customers
ORDER BY
   ctr_number
FETCH FIRST 3 ROWS ONLY;
```

Output:



Part 2 : Using a Substitution Variable (S6L8 Objective 4)

1. Use a substitution variable that will allow you to enter the commission rate for the sales representatives. The first and last names should be displayed to screen for any sales representatives that earn that commission rate and the output should be ordered by their last name. Use an appropriate alias for your column headings.

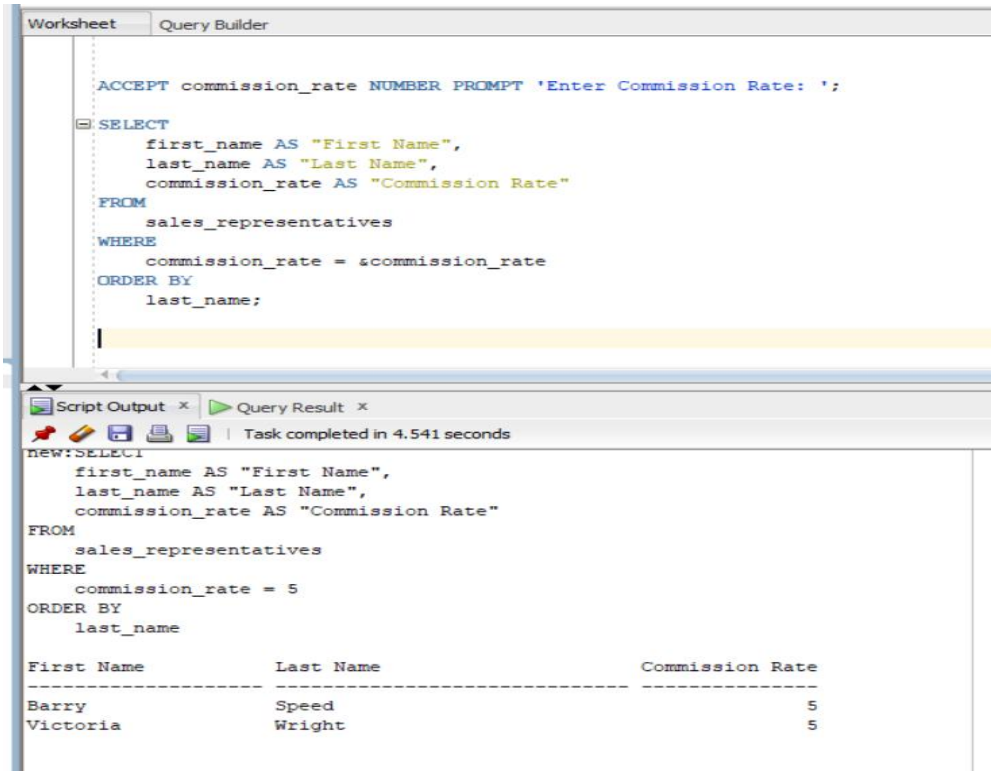
Code:

```
ACCEPT commission_rate NUMBER PROMPT 'Enter Commission Rate: ';

SELECT
first_name AS "First Name",
last_name AS "Last Name",
commission_rate AS "Commission Rate"
FROM
sales_representatives
WHERE
commission_rate = &commission_rate
ORDER BY
last_name;
```

Output:

Commision rate :5



Commision rate=10