IST370 Exam 2 Review

Coverage:

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CHAPTER 2

A SELECT statement is referred to as a b. query Which of the following are the mandatory clauses in any SELECT statement? c. SELECT and FROM Which of the following is NOT TRUE? c. The ORDER BY clause can be placed either before or after the WHERE clause. Both will create the same result. How do you select all of the columns in a table? SELECT \* FROM customers; Arithmetic operators cannot be used in the b. FROM clause of a SQL statement. A string literal (e.g. a blank space or a special symbol) instructs Oracle to interpret the characters you have entered “literally,” not to consider them a keyword or command. It must be enclosed in a. single quotation marks A a. column alias can be used to renames a column heading. What’s the default sort sequence for the ORDER BY clause?

a. ascendingIs it true that the following two queries are equivalent to each other? TRUE

SELECT title book\_title FROM books;

SELECT title AS book\_title FROM books;

**Debugging: The following SQL statements are all invalid. Identify the errors and explain how they should be fixed.**

SELECT firstname, lastname, state

FROM customers;

SELECT lastname || firstname "Customer Name"

FROM customers;

SELECT firstname, || lastname

FROM customers;

SELECT firstName || " " || lastname “Customer Name”

FROM customers;

SELECT lastname AS “Last Name”, firstname AS “First Name”

FROM customers;

SELECT UNIQUE state

FROM customers;

**Which of the following are validly named column aliases?**

SELECT retail/100 **retail%** FROM books;

SELECT sal **salary** FROM employees;

SELECT phone **phone#** FROM publisher;

SELECT phone **phone\_number** FROM publisher;

**Which of the following queries contains syntactic errors?**

SELECT sal LIKE salary FROM employees; Correct: SELECT sal AS salary FROM employees;

**Which of the following queries contains syntactic errors?**

1. SELECT sal AS salary, comm AS commission FROM employees;
2. SELECT sal salary, comm commission FROM employees;
3. SELECT sal ''Weekly Salary'', comm ''Sales Commission'' FROM employees;
4. SELECT sal 'Weekly Salary', comm 'Sales Commission' FROM employees;

**Which of the following returns a list of all customers’ names sorted in descending order by state and descending order by city?**

a. SELECT name FROM customers ORDER BY DESC state, city;

b. SELECT firstname, lastname FROM customers SORT BY DESC state, city;

c. SELECT firstname, lastname FROM customers ORDER BY state DESC, city DESC;

**In the customers table, we have 20 customers who live in Illinois (IL). After running the following SQL statements, how many records of which the state is IL will be retrieved?**

SELECT state FROM customers;

1. 0
2. 1
3. 10
4. 20

SELECT DISTINCT state FROM customers;

1. 0
2. 1
3. 10
4. 20