**Practice-1**

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1. Initiate an iSQL\*Plus session using the user ID and password provided by the instructor.

Ans:



2. iSQL\*Plus commands access the database.

True/False

Ans:

True

3. The following SELECT statement executes successfully:

**SELECT last\_name, job\_id, salary AS Sal FROM employees;**

True/False

Ans:

True

4. The following SELECT statement executes successfully:

**SELECT \* FROM job\_grades;**

True/False

Ans:

False

5. There are four coding errors in this statement. Can you identify them?

**SELECT employee\_id, last\_name sal x 12 ANNUAL SALARY**

**FROM employees;**

Ans:

* The comma after last\_name is missing.
* sal is not a valid column or alias name. Perhaps it was meant to refer to salary, but it's unclear from the provided context.
* x is not a valid SQL operator or keyword. Perhaps it was meant to be \* for multiplication, but it's unclear from the provided context.
* "ANNUAL SALARY" should be enclosed in single quotes to be treated as a string literal.

Corrected SQL statement:

**SELECT employee\_id, last\_name, salary \* 12 AS 'ANNUAL SALARY'**

**FROM employees;**

6. Show the structure of the DEPARTMENTS table. Select all data from the table.

Ans:





7. Show the structure of the EMPLOYEES table. Create a query to display the last name, job code, hire date, and employee number for each employee, with employee number appearing first. Provide an alias STARTDATE for the HIRE\_DATE column. Save your SQL statement to a file named lab1\_7.sql.

Ans:



8. Run your query in the file lab1\_7.sql.

Ans:



9. Create a query to display unique job codes from the EMPLOYEES table.

Ans:



10. Copy the statement from lab1\_7.sql into the iSQL\*Plus Edit window. Name the column headings Emp #, Employee, Job, and Hire Date, respectively. Run your query again.

Ans:



11. Display the last name concatenated with the job ID, separated by a comma and space, and name the column Employee and Title.

Ans:



12. Create a query to display all the data from the EMPLOYEES table. Separate each column by a comma. Name the column THE\_OUTPUT.

Ans:

