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**Assignment**

**Assignment No. – 01**

**Submission date- 09 February, 2022**

**Course Title- DBMS (Lab)**

**Course Code: CSE-2424**

Submited to-

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**Part 1**

**Test your knowledge:**

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

2. iSQL\*Plus commands access the database.

**Answer: False**

3. The following SELECT statement executes successfully:

SELECT last\_name, job\_id, salary AS Sal

FROM employees;

**Answer: True**

4. The following SELECT statement executes successfully:

SELECT \*

FROM job\_grades;

**Answer: True**

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

SELECT employee\_id, last\_name

sal x 12 ANNUAL SALARY

FROM employees;

**Answer: Four errors are in the following-**

1. **There is no column named sal in the EMPLOYEES table, the right column name is**

**SALARY.**

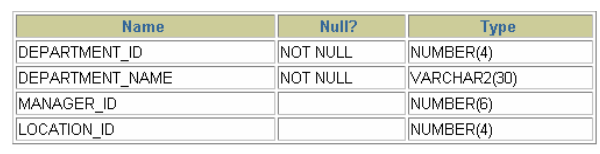
1. **A comma is missing after the LAST\_NAME column in line 1.**
2. **In line 2, the multiplication operator is \*, not x.**
3. **In line 2, The alias should read ANNUAL\_SALARY or should be enclosed in double quotation marks. As we know, alias cannot include spaces (ANNUAL SALARY).**

**Part 2**

You have been hired as a SQL programmer for Acme Corporation. Your first task is to create

some reports based on data from the Human Resources tables

6. Your first task is to determine the structure of the DEPARTMENTS table and its contents.

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**Answer:**

DESCRIBE departments

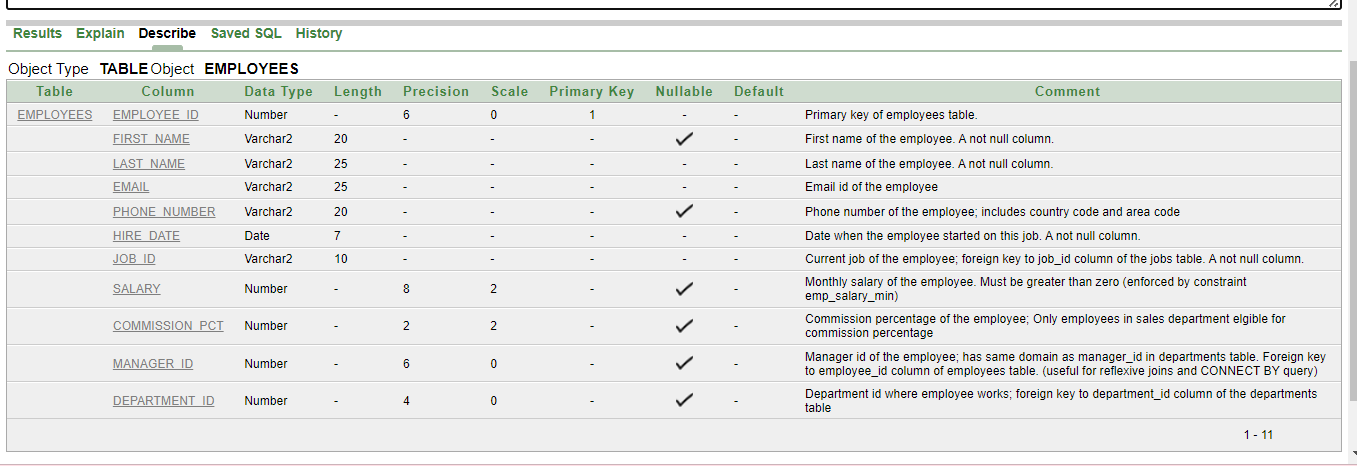
SELECT \*

FROM departments;

7. You need to determine the structure of the EMPLOYEES table.

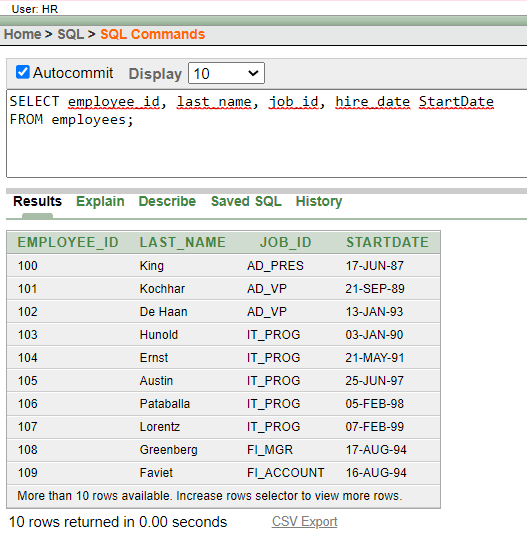
**Answer:**

DESCRIBE employees



SELECT employee\_id, last\_name, job\_id, hire\_date StartDate

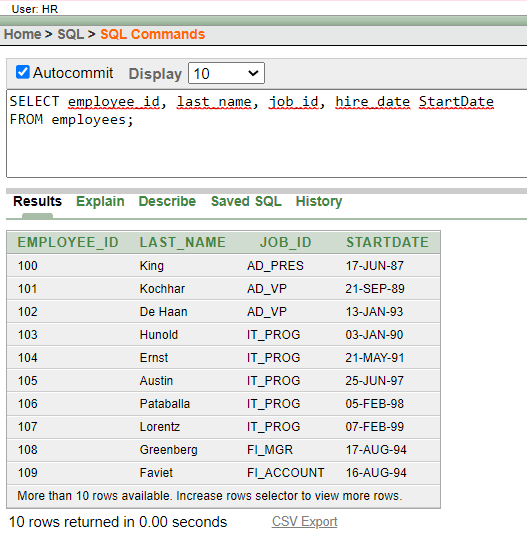
FROM employees;



8. Test your query in the file lab\_01\_07.sql to ensure that it runs correctly.

SELECT employee\_id, last\_name, job\_id, hire\_date StartDate

FROM employees;

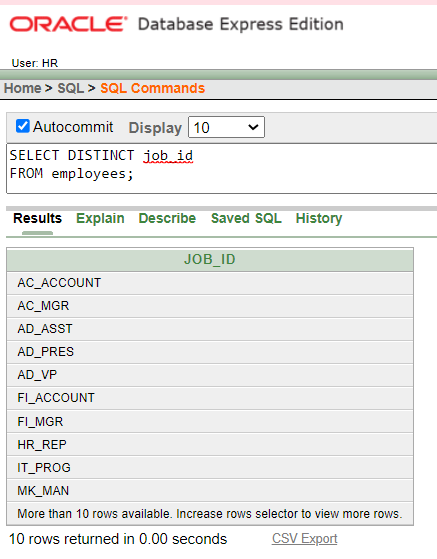


9. The HR department needs a query to display all unique job codes from the EMPLOYEES

table.

SELECT DISTINCT job\_id

FROM employees;



10. The HR department wants more descriptive column headings for its report on employees.

Copy the statement from lab\_01\_07.sql to the iSQL\*Plus Edit window. Name the

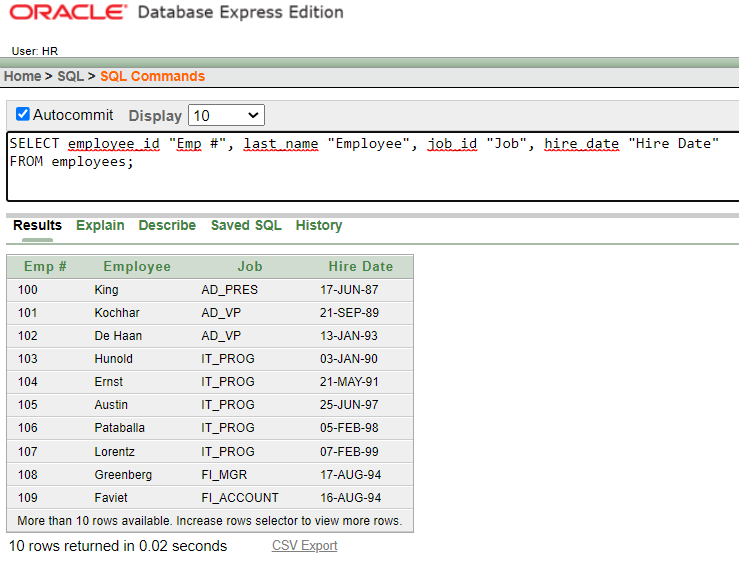
column headings Emp #, Employee, Job, and Hire Date, respectively. Then run your

query again.

SELECT employee\_id "Emp #", last\_name "Employee",

job\_id "Job", hire\_date "Hire Date"

FROM employees;



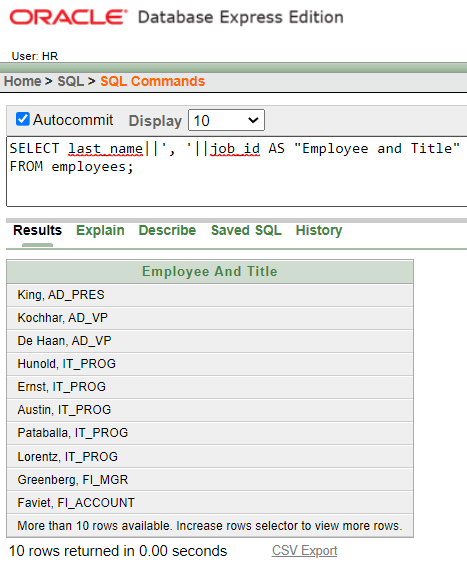
11. The HR department has requested a report of all employees and their job IDs. Display the

last name concatenated with the job ID (separated by a comma and space) and name the

column Employee and Title.

SELECT last\_name||', '||job\_id AS "Employee and Title"

FROM employees;



12. To familiarize yourself with the data in the EMPLOYEES table, create a query to display all

the data from the EMPLOYEES table. Separate each column output by a comma. Name the

column title THE\_OUTPUT.

SELECT employee\_id || ',' || first\_name || ',' || last\_name || ',' || email || ',' || phone\_number || ','|| job\_id

|| ',' || manager\_id || ',' || hire\_date || ',' || salary || ',' || commission\_pct || ',' || department\_id

AS THE\_OUTPUT

FROM employees;



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