**Experiment:3**

**DATE: 09-08-2024**

**WRITING BASIC SQL SELECT STATEMENTS**

Find the Solution for the following:

1. True OR False

The following statement executes successfully.

Identify the Errors

SELECT employee\_id, last\_name sal\*12 ANNUAL SALARY FROM employees;

Correction:

SELECT

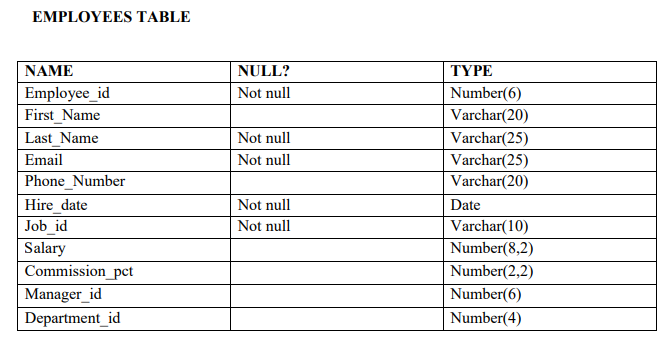
employee\_id,

last\_name,

salary \* 12 AS annual\_salary

FROM

employees;



Queries

1. Show the structure of departments the table. Select all the data from it

CREATE TABLE EMPLOYEES (

Employee\_id NUMBER(6) NOT NULL,

First\_Name VARCHAR2(20),

Last\_Name VARCHAR2(25) NOT NULL,

Email VARCHAR2(25) NOT NULL,

Phone\_Number VARCHAR2(20),

Hire\_date DATE NOT NULL,

Job\_id VARCHAR2(10) NOT NULL,

Salary NUMBER(8,2),

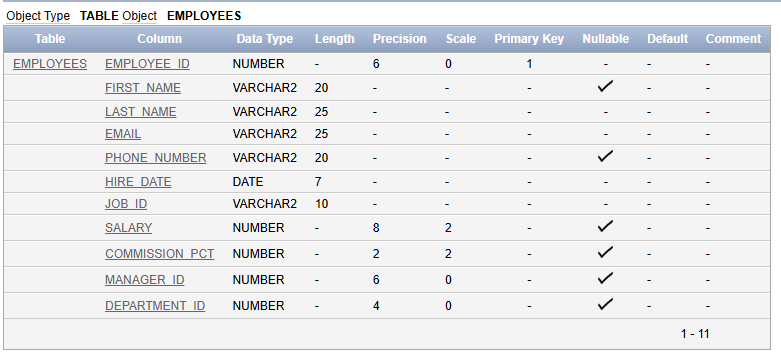
Commission\_pct NUMBER(2,2),

Manager\_id NUMBER(6),

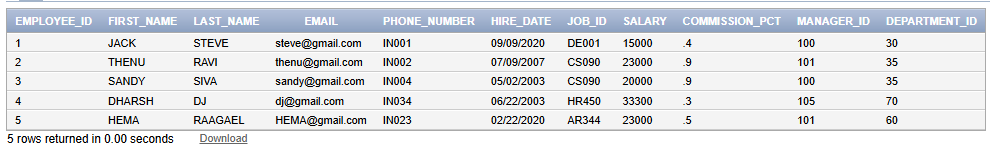
Department\_id NUMBER(4),

CONSTRAINT emp\_pk PRIMARY KEY (Employee\_id)

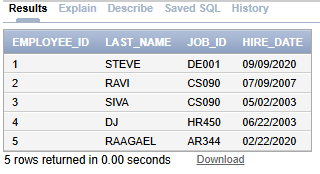
);



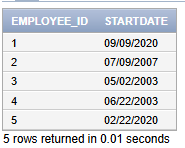
SELECT \* FROM EMPLOYEES;



1. Create a query to display the last name, job code, hire date, and employee number for each employee, with employee number appearing first



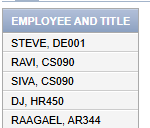
1. Provide an alias STARTDATE for the hire date.



1. Create a query to display unique job codes from the employee table.



1. Display the last name concatenated with the job ID , separated by a comma and space, and name the column EMPLOYEE and TITLE.



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

SELECT

Employee\_id || ', ' ||

NVL(First\_Name, '') || ', ' ||

Last\_Name || ', ' ||

Email || ', ' ||

NVL(Phone\_Number, '') || ', ' ||

TO\_CHAR(Hire\_date, 'YYYY-MM-DD') || ', ' ||

Job\_id || ', ' ||

NVL(TO\_CHAR(Salary), '') || ', ' ||

NVL(TO\_CHAR(Commission\_pct), '') || ', ' ||

NVL(TO\_CHAR(Manager\_id), '') || ', ' ||

NVL(TO\_CHAR(Department\_id), '') AS THE\_OUTPUT

FROM

EMPLOYEES;

