EXPERIMENT 4

1. Identify the Errors

SELECT employee_id, last_name sal*12 ANNUAL SALARY FROM employees;

QUERY: select employee_id,last_name,sal * 12 as annual_salary from employees;

OUTPUT:

EMPLOYEE_ID	LAST_NAME	ANNUAL_SALARY
102	Smith	696000
104	White	804000
101	Doe	780000
103	Johnson	900000

5 rows returned in 0.01 seconds   Download

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

QUERY: desc employees;

OUTPUT:

EMPLOYEES	EMPLOYEE_ID	NUMBER	22	-	0	1	-	-	-
	FIRST_NAME	VARCHAR2	50	-	-	-	✓	-	-
	LAST_NAME	VARCHAR2	50	-	-	-	✓	-	-
	JOB_ID	VARCHAR2	20	-	-	-	✓	-	-
	HIRE_DATE	DATE	7	-	-	-	✓	-	-
	SAL	NUMBER	-	10	2	-	✓	-	-

3. Create a query to display the last name, job code, hire date, and employee number for each

employee, with employee number appearing first.

QUERY: select employee_id,last_name,job_id,hire_date,employee_number from employees;

OUTPUT:

EMPLOYEE_ID	LAST_NAME	JOB_ID	HIRE_DATE
102	Smith	HR_REP	2/22/2022
104	White	IT_PROG	12/5/2023
101	Doe	IT_PROG	1/15/2023
103	Johnson	SALES_MGR	7/10/2021

4.Provide an alias STARTDATE for the hire date.

QUERY: select hire_date as "STARTDATE" from employees;

OUTPUT:

STARTDATE
2/22/2022
12/5/2023
1/15/2023
7/10/2021

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

QUERY: select distinct job_id from employees;

OUTPUT:

JOB_ID
FIN_ANALYST
HR_REP
SALES_MGR
IT_PROG

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

QUERY: select (last_name || ','||job_id) as "EMPLOYEE and TITLE" from employees;

OUTPUT:

EMPLOYEE and TITLE
Brown,FIN_ANALYST
Smith,HR_REP
White,IT_PROG
Doe,IT_PROG

7. Create a query to display all the data from the employees table. Separate each column by a comma. Name the column THE_OUTPUT.

QUERY: select(employee_id||','||first_name||','||last_name||','||sal) as "THE_OUTPUT" from employees;

OUTPUT:

THE_OUTPUT
105,David,Brown,72000
102,Alice,Smith,58000
104,Carol,White,67000
101,John,Doe,65000