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Experiment 3 Date: 10.08.2024

WRITING BASIC SQL SELECT STATEMENTS

Find the Solution for the following:

True OR False

1. The following statement executes successfully.

Identify the Errors

SELECT employee_id, last_name

sal*12 ANNUAL SALARY

FROM employees;

Queries

SELECT employee_id, last_name, sal*12 AS ANNUAL_SALARY FROM employees;

Results Explain	n Describe Sa	ved SQL History
EMPLOYEE_ID	LAST_NAME	ANNUAL_SALARY
1	Smith	72000
2	Johnson	54000
3	Williams	90000
4	Jones	66000
5	Brown	96000

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

Object Type TABLE Object DEPARTMENT									
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPARTMENT	DEPT_ID	NUMBER	-	6	0	1	-	-	-
	DEPT_NAME	VARCHAR2	20	-	-	-	-	-	-
	MANAGER_ID	NUMBER	-	6	0	-	~	-	-
	LOCATION_ID	NUMBER	-	4	0	-	/	-	-
								1	- 4

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

SELECT employee_id, last_name, job_code, hire_date FROM employees;

4. Provide an alias STARTDATE for the hire date.

Results Explain	Describe 5a\	/ed SQL HISTO	ory
EMPLOYEE_ID	LAST_NAME	JOB_CODE	HIRE_DATE
1	Smith	DEV	05/05/2024
2	Johnson	HR	02/24/2024
3	Williams	MGR	06/23/2022
4	Jones	DEV	03/12/2023
5	Brown	MGR	09/30/2024

5 rows returned in 0.01 seconds <u>Download</u>

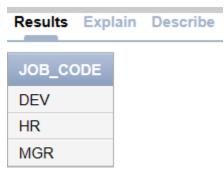
SELECT employee_id, last_name, job_id, hire_date AS STARTDATE FROM employees;

Results	Explain	Describe	Saved SQL	History

EMPLOYEE_ID	LAST_NAME	JOB_CODE	STARTDATE
1	Smith	DEV	05/05/2024
2	Johnson	HR	02/24/2024
3	Williams	MGR	06/23/2022
4	Jones	DEV	03/12/2023
5	Brown	MGR	09/30/2024

5 rows returned in 0.00 seconds Download

Create a query to display unique job codes from the employee table.SELECT DISTINCT job_codeFROM employees;



3 rows returned in 0.00 secon

6. 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_code AS EMPLOYEE_AND_TITLE FROM employees;



5 rows returned in 0.00 seconds

7. 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 $\| \cdot \cdot \cdot \|$ last_name $\| \cdot \cdot \cdot \|$ job_code $\| \cdot \cdot \cdot \|$ TO_CHAR(hire_date, 'YYYY-MM-DD') AS THE_OUTPUT FROM employees;

Results	Explain	Describe	Saveo
П	HE_OUTP	UT	
1,Smith,	DEV,2024-	-05-05	
2,Johnso	on,HR,202	4-02-24	
3,William	ns,MGR,20	022-06-23	
4,Jones,	DEV,2023	-03-12	
5,Brown	,MGR,202	4-09-30	
_			

5 rows returned in 0.00 seconds