Exp-3

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Ex.No.: 3	**WRITING BASIC SQL SELECT STATEMENTS**
Date: 10/08/2024	

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;

FALSE

The columns in select statement should be separated by commas and the column alias shouldbe given by using a keyword "as"

SELECT employee_id, last_name, salary*12 as "ANNUAL SALARY"
FROM employees;

EMPLOYEE_ID	LAST_NAME	ANNUAL_SALARY
E001	Smith	900000
E002	Johnson	780000
E003	Williams	696000

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

Desc employees;

Object Type **TABLE** Object **EMPL**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPL	EMPLOYEE_ID	VARCHAR2	4	-	-	-	✓	-	-
	LAST_NAME	VARCHAR2	25	-	-	-	✓	-	-
	JOB_CODE	VARCHAR2	4	-	-	-	✓	-	-
	SAL	NUMBER	-	9	0	-	✓	-	-
	HIRE_DATE	DATE	7	-	-	-	✓	-	-
	DEPT_ID	VARCHAR2	4	-	-	-	✓	-	-
									1 - 6

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

select employee_id , job_id , last_name , hire_date from employees;

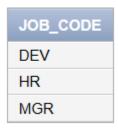| EMPLOYEE_ID	LAST_NAME	JOB_CODE	HIRE_DATE
E001	Smith	MGR	01/15/2022
E002	Johnson	DEV	03/22/2023
E003	Williams	HR	06/10/2024

4) Provide an alias STARTDATE for the hire date.

select hire_date as "STARTDATE" from employees;

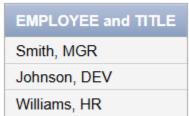| STARTDATE |
| --- |
| 01/15/2022 |
| 03/22/2023 |
| 06/10/2024 |

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

distinct(job_id) from employees;

JOB_CODE
DEV
HR
MGR

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_id as "EMPLOYEE AND TITLE" from employees;

EMPLOYEE and TITLE
Smith, MGR
Johnson, DEV
Williams, HR

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

```
select employee_id || ', ' || first_name || ', ' || last_name || ', ' || email || ', ' || phone_number || ',' || hire_date
|| ', ' || job_id || ', ' || salary || ', ' || commission_pct || ', ' || manager_id || ', ' || department_id as
"THE_OUTPUT"
 from employees;
```

THE_OUTPUT
E001, Smith, 75000, D001
E002, Johnson, 65000, D002
E003, Williams, 58000, D003