

Exp-3

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<b>Ex.No.: 3</b>		<b>WRITING BASIC SQL SELECT STATEMENTS</b>
<b>Date:</b>	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 should be 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
<u>EMPL</u>	<u>EMPLOYEE_ID</u>	VARCHAR2	4	-	-	-	✓	-	-
	<u>LAST_NAME</u>	VARCHAR2	25	-	-	-	✓	-	-
	<u>JOB_CODE</u>	VARCHAR2	4	-	-	-	✓	-	-
	<u>SAL</u>	NUMBER	-	9	0	-	✓	-	-
	<u>HIRE_DATE</u>	DATE	7	-	-	-	✓	-	-
	<u>DEPT_ID</u>	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 by a 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