

EXP:NO:03**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;

False

The correct statements is SELECT employee_id,last_name,sal*12 FROM employees;

Queries

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

DESC department;

| Table | Column | Data Type | Length | Precision | Scale | Primary Key | Nullable | Default | Comment |
|-------------------|--------------------|-----------|--------|-----------|-------|-------------|----------|---------|---------|
| <u>DEPARTMENT</u> | <u>DEPT_ID</u> | NUMBER | - | 6 | 0 | 1 | - | - | - |
| | <u>DEPT_NAME</u> | VARCHAR2 | 20 | - | - | - | - | - | - |
| | <u>MANAGER_ID</u> | NUMBER | - | 6 | 0 | - | ✓ | - | - |
| | <u>LOCATION_ID</u> | NUMBER | - | 4 | 0 | - | ✓ | - | - |
| 1 - 4 | | | | | | | | | |

SELECT *FROM department;

| DEPT_ID | DEPT_NAME | MANAGER_ID | LOCATION_ID |
|---------|-----------|------------|-------------|
| 101 | designer | 2323 | 675 |
| 104 | Assistant | 5544 | 654 |
| 167 | Analyst | 3322 | 316 |

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_data FROM employees;
```

| EMPLOYEE_ID | LAST_NAME | JOB_CODE | HIRE_DATE |
|-------------|-----------|----------|------------|
| 101 | Doe | IT_PROG | 09/08/2000 |
| 102 | Smith | HR_MAN | 09/04/2004 |
| 103 | Johnson | SA_REP | 05/23/2003 |
| 104 | Austin | FI_MGR | 03/30/2001 |

4.Provide an alias STARTDATE for the hire date.

```
SELECT employee_id,last_name,job_code,hire_date as STARTDATE FROM employees;
```

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

```
SELECT DISTINCT job_code FROM employees;
```

| JOB_CODE |
|----------|
| IT_PROG |
| HR_MAN |
| FI_MGR |
| SA_REP |

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;
```

| EMPLOYEE_AND_TITLE |
|--------------------|
| Doe,IT_PROG |
| Smith,HR_MAN |
| Johnson,SA_REP |
| Austin,FI_MGR |

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 || ',' || last_name || ',' || job_code || ',' || hire_date AS THE_OUTPUT  
FROM employees;
```

| THE_OUTPUT |
|-------------------------------|
| 101,Doe,IT_PROG,09/08/2000 |
| 102,Smith,HR_MAN,09/04/2004 |
| 103,Johnson,SA_REP,05/23/2003 |
| 104,Austin,FI_MGR,03/30/2001 |