NAME: KEERTHIKA.S
ROLL NO: 231901024

EX NO:3   **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
DEPARTMENT	DEPT_ID	NUMBER	-	6	0	1	-	-	-
	DEPT_NAME	VARCHAR2	20	-	-	-	-	-	-
	MANAGER_ID	NUMBER	-	6	0	-	✓	-	-
	LOCATION_ID	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