

## WRITING BASIC SQL SELECT STATEMENTS.

Date :10.08.2024

Roll no: 231901007

Find the Solution for the following:

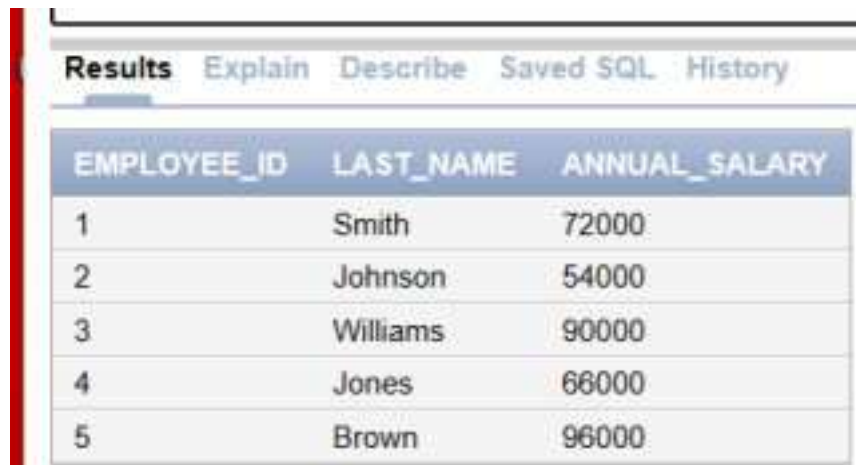
True OR False

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 Describe Saved 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;

Results	Explain	Describe	Saved SQL	History					
Object Type TABLE Object DEPARTMENT									
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPARTMENT	DEPT_ID	NUMBER	-	8	0	1	-	-	-
	DEPT_NAME	VARCHAR2	20	-	-	-	-	-	-
	MANAGER_ID	NUMBER	-	8	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;
```

Results	Explain	Describe	Saved SQL	History
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 <a href="#">Download</a>				

4. Provide an alias STARTDATE for the hire date.

```
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](#)

5. Create a query to display unique job codes from the employee table. `SELECT DISTINCT job_code`  
`FROM employees;`

**Results** Explain Describe

JOB_CODE
DEV
HR
MGR

3 rows returned in 0.00 second

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;
```

Results Explain Describe Save

EMPLOYEE_AND_TITLE
Smith, DEV
Johnson, HR
Williams, MGR
Jones, DEV
Brown, MGR

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 || ',' || last_name || ',' || job_code || ',' ||  
TO_CHAR(hire_date, 'YYYY-MM-DD') AS THE_OUTPUT  
FROM employees;
```

llhsulu: Explain Describe Saved

THE\_OUTPUT

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