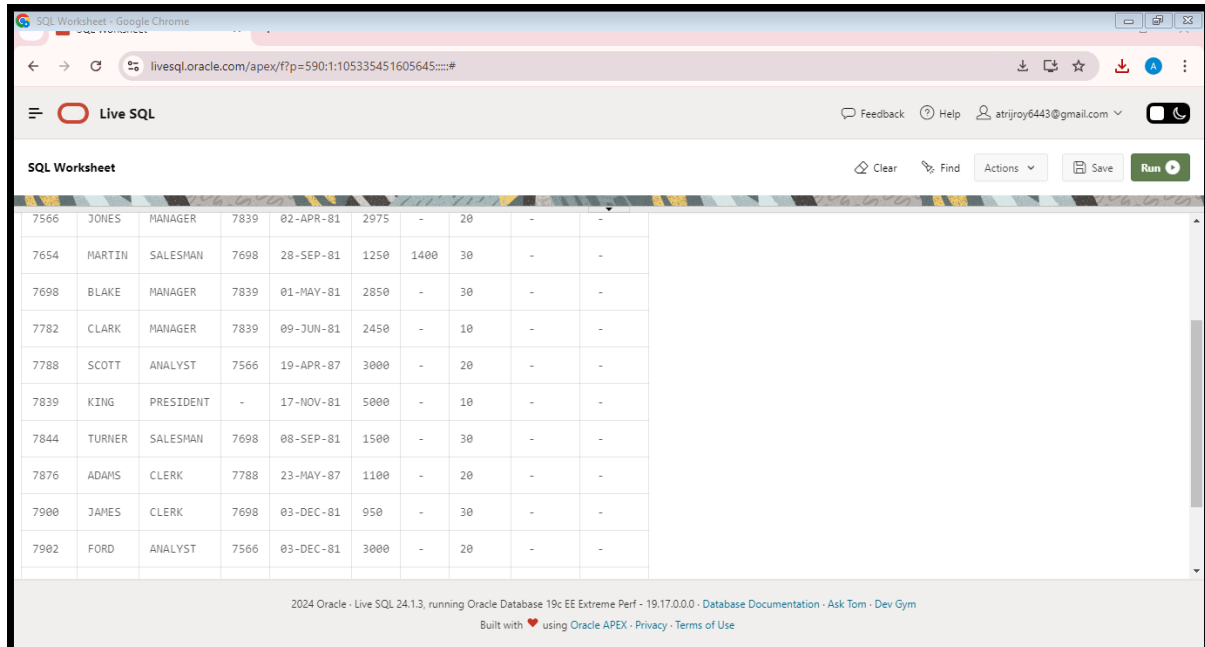


# Assignment 1

ATRIJ ROY. UG 2 IT A3. ROLL NO:- 002311001086

1. Show the details of all employees.

**SELECT \* FROM EMP;**

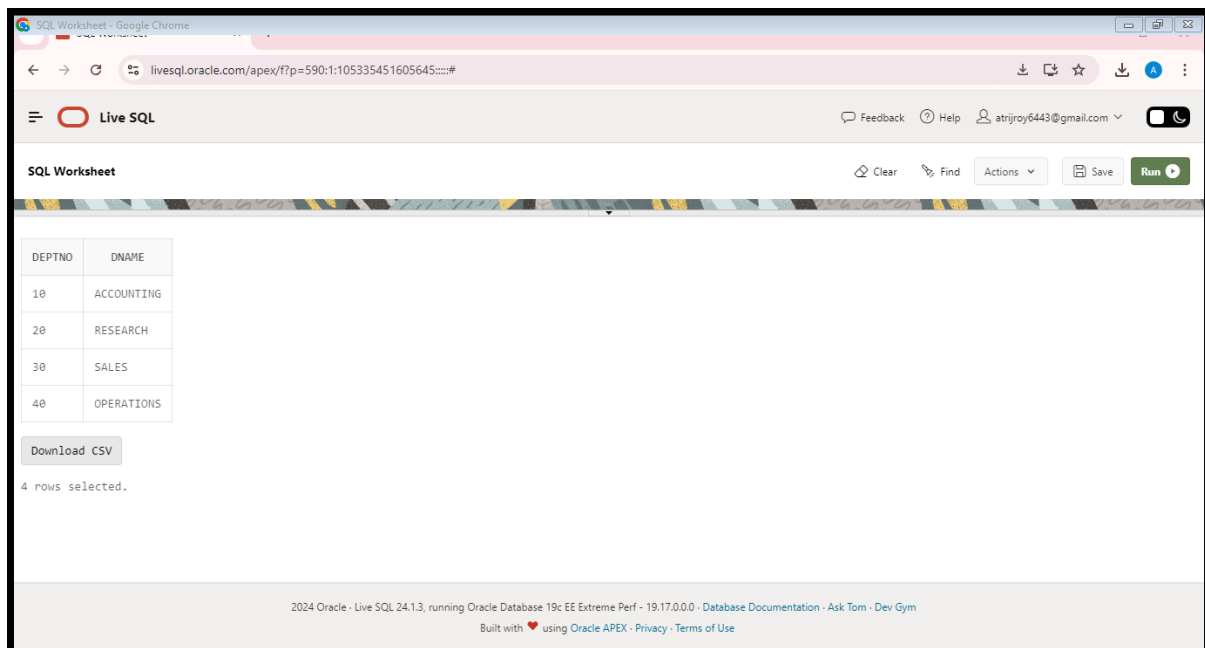


The screenshot shows the Live SQL interface with the query results for 'SELECT \* FROM EMP;'. The results are displayed in a table with 10 rows and 10 columns. The columns represent employee details: EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, DEPTNO, and DEPTNAME. The data includes employees like JONES, MARTIN, BLAKE, CLARK, SCOTT, KING, TURNER, ADAMS, JAMES, and FORD.

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	DEPTNAME
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20	RESEARCH
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30	SALES
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30	SALES
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10	ACCOUNTING
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20	RESEARCH
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10	ACCOUNTING
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	-	30	SALES
7876	ADAMS	CLERK	7788	23-MAY-87	1100	-	20	RESEARCH
7900	JAMES	CLERK	7698	03-DEC-81	950	-	30	SALES
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20	RESEARCH

2. Show the department no. and name of all departments.

**SELECT DEPTNO, DNAME FROM DEPT;**



The screenshot shows the Live SQL interface with the query results for 'SELECT DEPTNO, DNAME FROM DEPT;'. The results are displayed in a table with 2 columns: DEPTNO and DNAME. The data includes departments like ACCOUNTING, RESEARCH, SALES, and OPERATIONS.

DEPTNO	DNAME
10	ACCOUNTING
20	RESEARCH
30	SALES
40	OPERATIONS

Download CSV

4 rows selected.

3. Display the employee id, name and department no of all employees whose department no is 20.

**SELECT EMPNO, ENAME, DEPTNO FROM EMP WHERE DEPTNO=20;**

EMPNO	ENAME	DEPTNO
7369	SMITH	20
7566	JONES	20
7788	SCOTT	20
7876	ADAMS	20
7902	FORD	20

Download CSV

5 rows selected.

2024 Oracle - Live SQL 24.1.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym  
Built with ❤️ using Oracle APEX - Privacy - Terms of Use

4. Display the details of all employees where department no should be in descending order.

**SELECT \* FROM EMP ORDER BY DEPTNO DESC;**

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	PHONENO	ADDRESS
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30	-	-
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	-	30	-	-
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30	-	-
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30	-	-
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30	-	-
7900	JAMES	CLERK	7698	03-DEC-81	950	-	30	-	-
7788	SCOTT	ANALYST	7566	19-APR-87	3000	-	20	-	-
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20	-	-

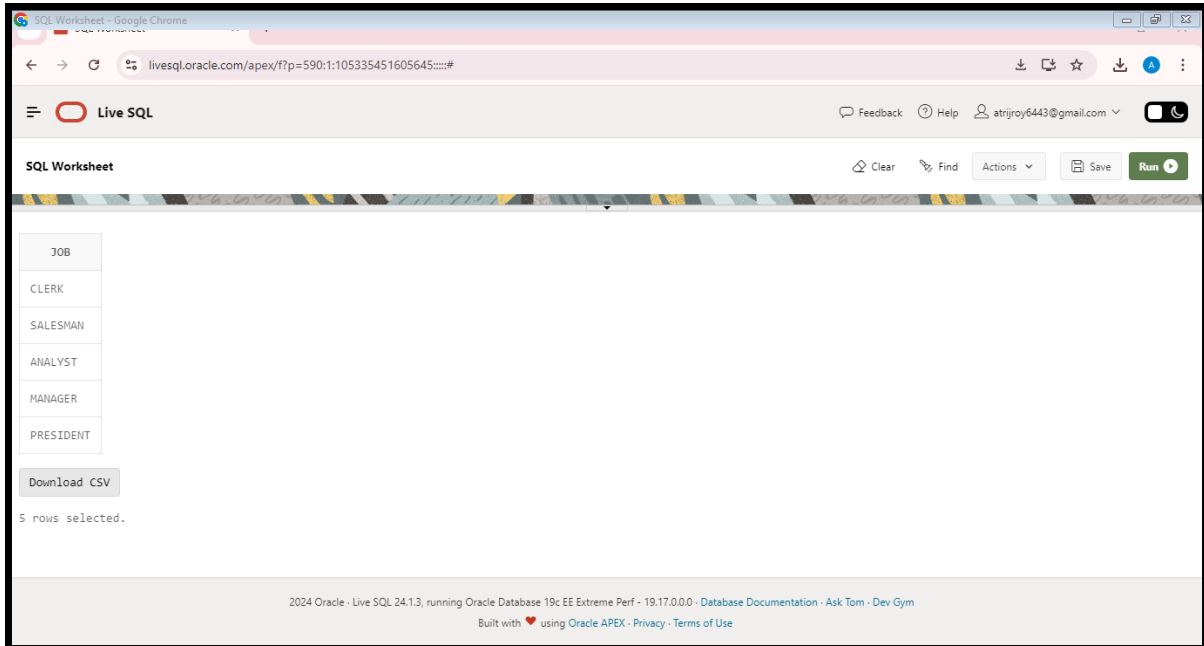
Download CSV

10 rows selected.

2024 Oracle - Live SQL 24.1.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym  
Built with ❤️ using Oracle APEX - Privacy - Terms of Use

5. Show all available jobs in the employee table.

**SELECT DISTINCT JOB FROM EMP;**



The screenshot shows the Live SQL interface in a Google Chrome browser. The URL is `livesql.oracle.com/apex/?p=590:1:105335451605645:::#`. The page title is "SQL Worksheet". The interface includes a "Clear" button, a "Find" button, an "Actions" dropdown, a "Save" button, and a "Run" button. The query results are displayed in a table with the following jobs: CLERK, SALESMAN, ANALYST, MANAGER, and PRESIDENT. Below the table, it says "5 rows selected." and "Download CSV". At the bottom, there is a footer with the text: "2024 Oracle - Live SQL 24.1.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with using Oracle APEX - Privacy - Terms of Use".

6. Show the name, Annual Salary and department no of employees who works as a clerk in department 20.

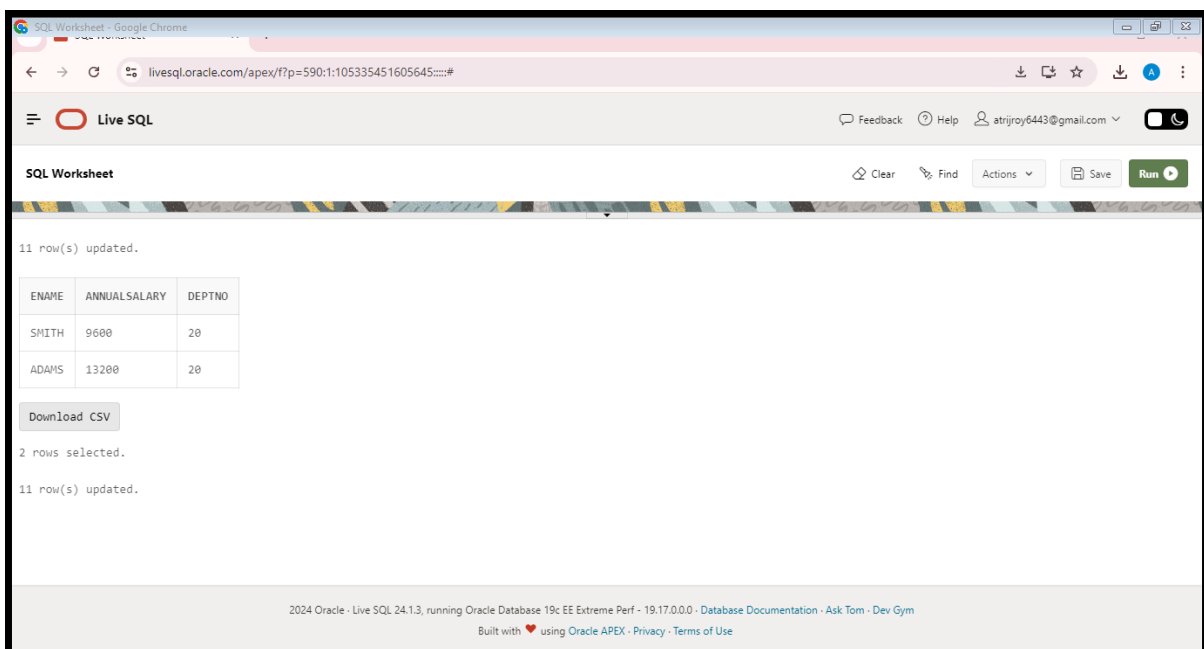
**UPDATE EMP**

**SET COMM = 0 WHERE COMM IS NULL;**

**SELECT ENAME, 12\*SAL+COMM AS ANNUALSALARY, DEPTNO FROM EMP WHERE JOB = 'CLERK' AND DEPTNO=20;**

**UPDATE EMP**

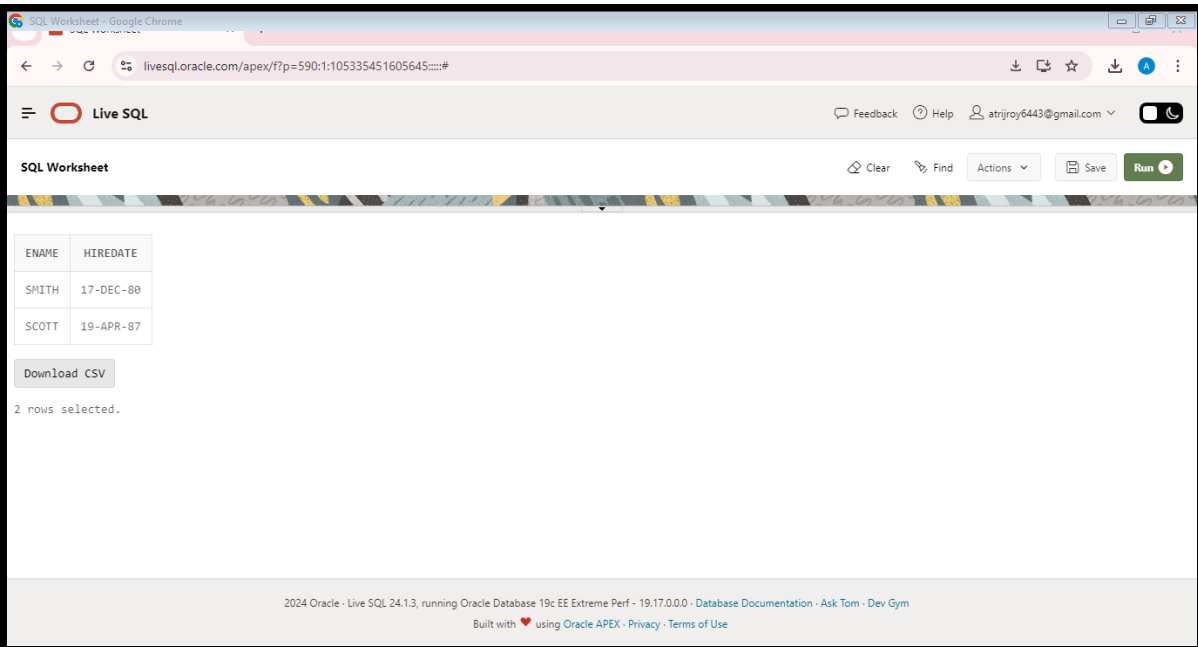
**SET COMM = NULL WHERE COMM = 0;**



The screenshot shows the Live SQL interface in a Google Chrome browser. The URL is `livesql.oracle.com/apex/?p=590:1:105335451605645:::#`. The page title is "SQL Worksheet". The interface includes a "Clear" button, a "Find" button, an "Actions" dropdown, a "Save" button, and a "Run" button. The query results are displayed in a table with the following columns: ENAME, ANNUALSALARY, and DEPTNO. The results show two rows: SMITH with an annual salary of 9600 and ADAMS with an annual salary of 13200, both in department 20. Below the table, it says "2 rows selected." and "Download CSV". At the bottom, there is a footer with the text: "2024 Oracle - Live SQL 24.1.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym. Built with using Oracle APEX - Privacy - Terms of Use".

7. Show the name and HIRED date of those employee whose name start with 'S' or second character is 'C'.

**SELECT ENAME, HIREDATE FROM EMP WHERE ENAME LIKE 'S%' OR ENAME LIKE '\_C%';**



The screenshot shows the Live SQL interface with the following table results:

ENAME	HIREDATE
SMITH	17-DEC-80
SCOTT	19-APR-87

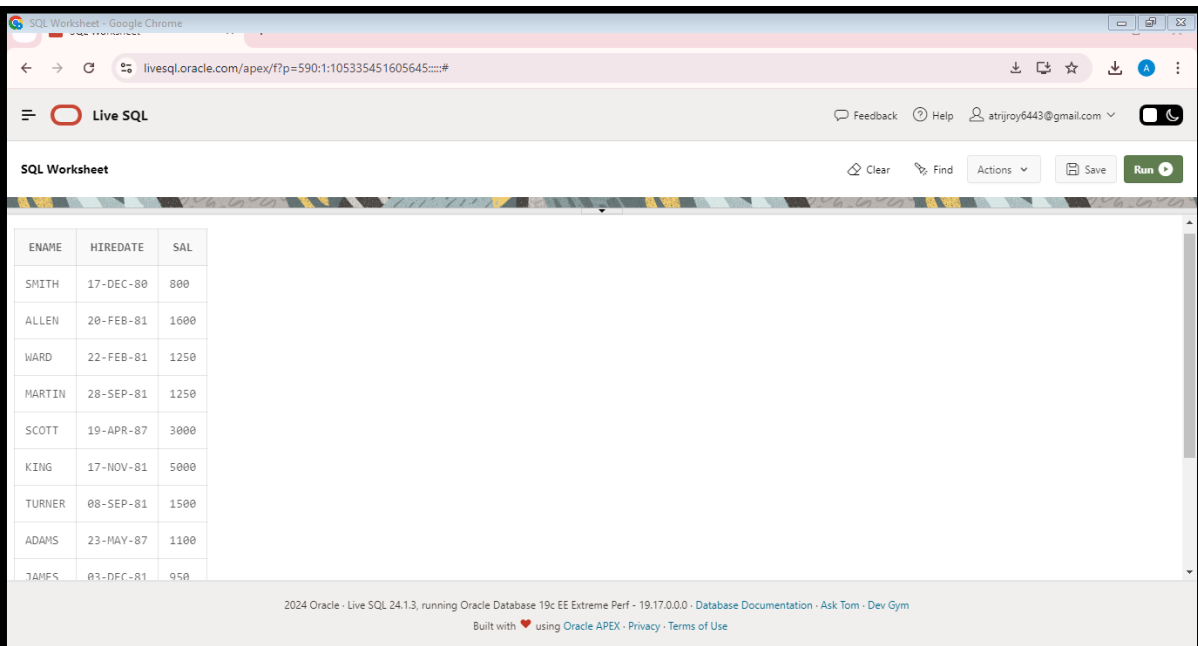
Download CSV

2 rows selected.

2024 Oracle - Live SQL 24.1.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym  
Built with ❤️ using Oracle APEX - Privacy - Terms of Use

8. Show the name, hire date and salary of those employee who are not a manager.

**SELECT ENAME, HIREDATE, SAL FROM EMP WHERE JOB <> 'MANAGER';**



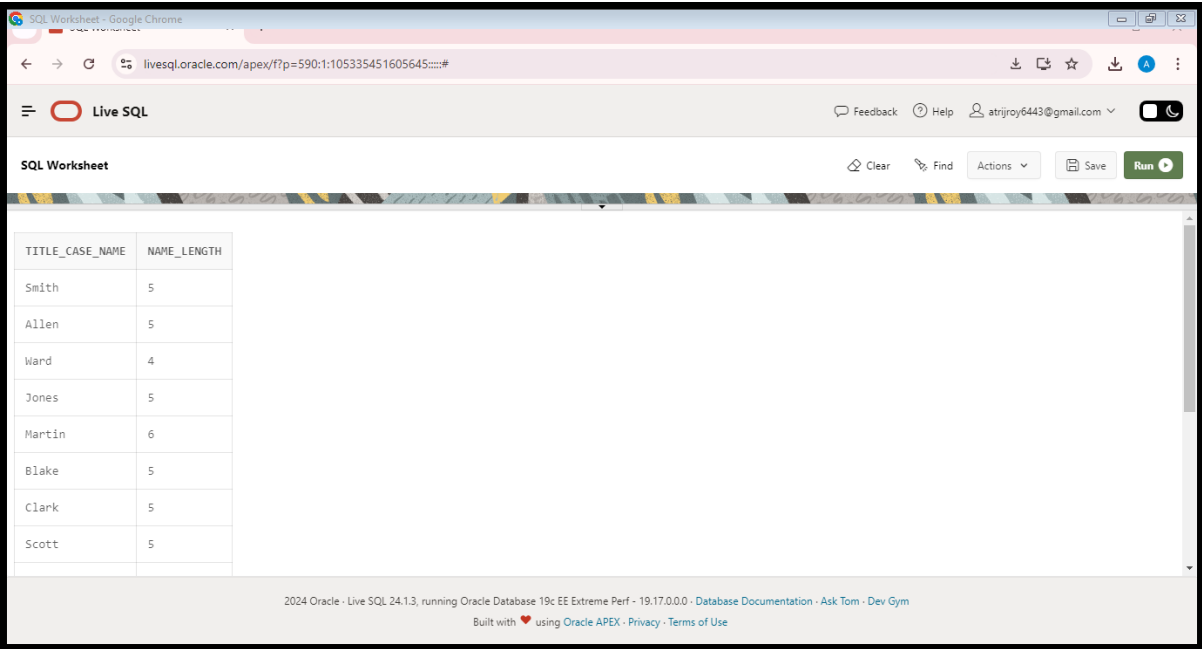
The screenshot shows the Live SQL interface with the following table results:

ENAME	HIREDATE	SAL
SMITH	17-DEC-80	800
ALLEN	20-FEB-81	1600
WARD	22-FEB-81	1250
MARTIN	28-SEP-81	1250
SCOTT	19-APR-87	3000
KING	17-NOV-81	5000
TURNER	08-SEP-81	1500
ADAMS	23-MAY-87	1100
JAMES	03-DEC-81	950

2024 Oracle - Live SQL 24.1.3, running Oracle Database 19c EE Extreme Perf - 19.17.0.0.0 - Database Documentation - Ask Tom - Dev Gym  
Built with ❤️ using Oracle APEX - Privacy - Terms of Use

9. Display all employee names in title case and length of the name.

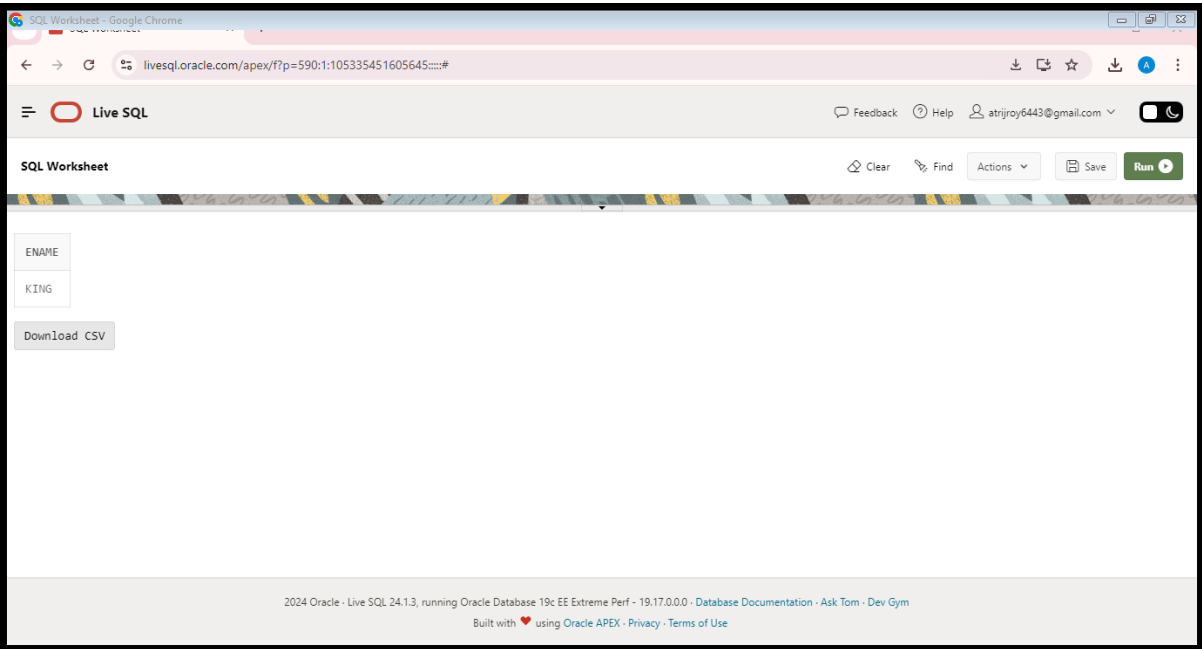
**SELECT INITCAP(ENAME) AS TITLE\_CASE\_NAME, LENGTH(ENAME) AS NAME\_LENGTH FROM  
EMP;**



TITLE_CASE_NAME	NAME_LENGTH
Smith	5
Allen	5
Ward	4
Jones	5
Martin	6
Blake	5
Clark	5
Scott	5

10. Display the name of the employee who gets the salary between 4000 and 6000.

**SELECT ENAME FROM EMP WHERE SAL BETWEEN 4000 AND 6000;**



ENAME
KING

Download CSV