

Oracle Live SQL

VLDB Lab.

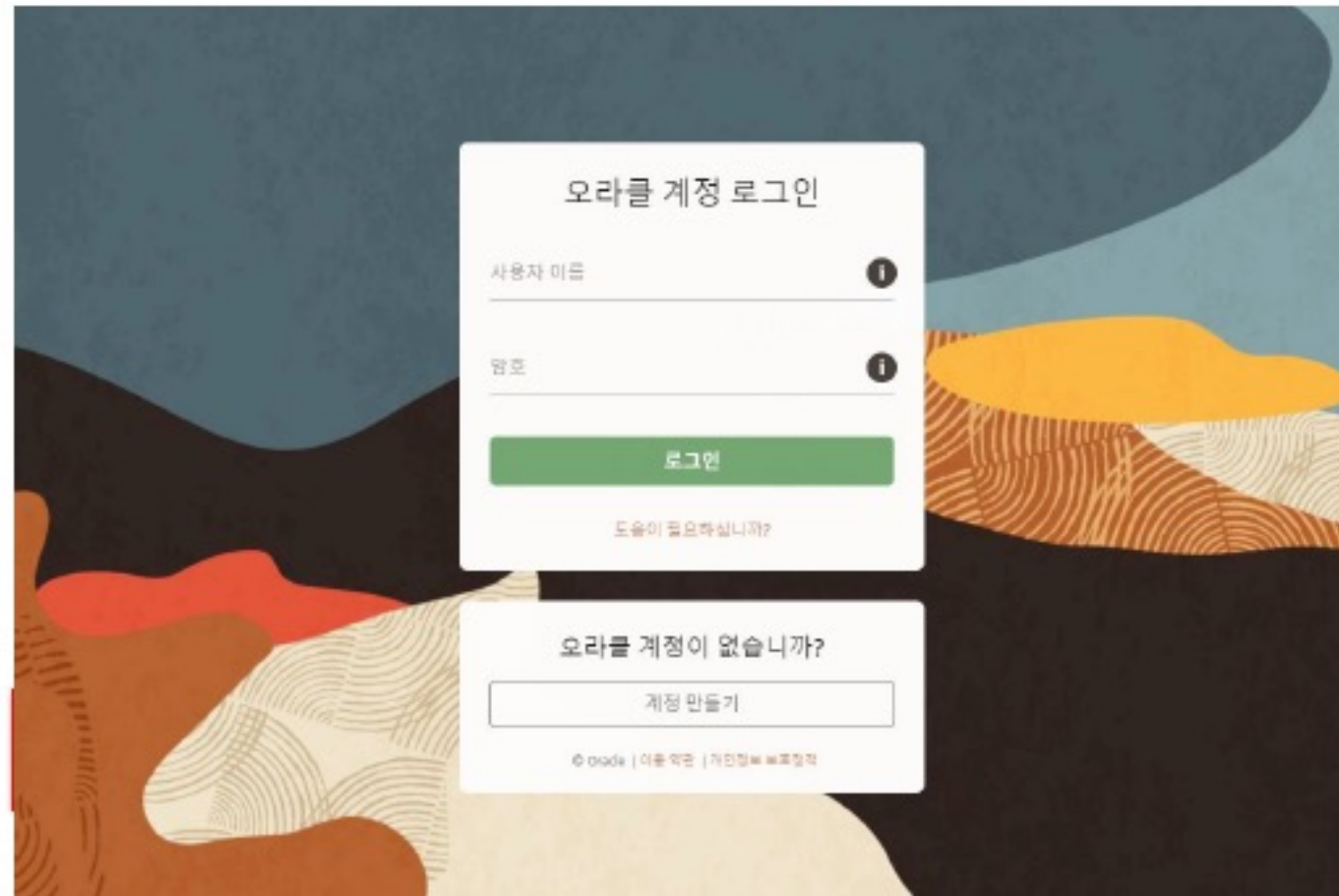
Professor Sangwon Lee

Oracle Live SQL

- Oracle Live SQL is a web-based SQL editor with Oracle database built-in.
- It runs Oracle database version 19c Enterprise Edition.
- Click the link below.
 - <https://livesql.oracle.com/>

How to Use Oracle Live SQL

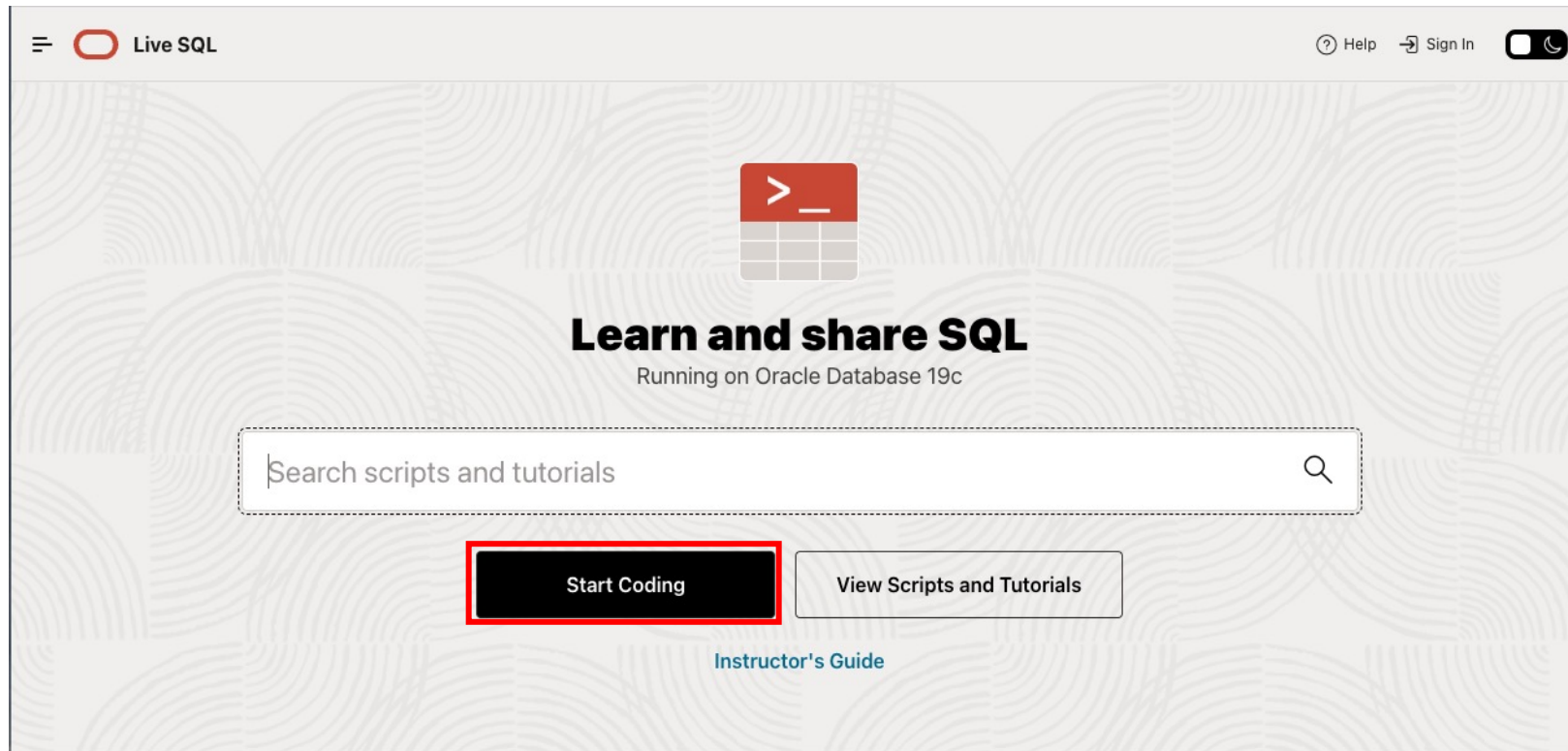
- Log in with Oracle account.



The image shows a web interface for logging into an Oracle account. The background is a stylized abstract landscape with blue, orange, and brown shapes. In the center, there is a white login form titled "오라클 계정 로그인" (Oracle Account Login). The form contains two input fields: "사용자 이름" (Username) and "암호" (Password), each with an information icon (i) to its right. Below the fields is a green "로그인" (Login) button. Underneath the button is a link that says "도움이 필요하신가요?" (Need help?). Below the login form is a separate white box titled "오라클 계정이 없습니까?" (Don't have an Oracle account?). It contains a button labeled "계정 만들기" (Create account). At the bottom of this box is the copyright notice "© Oracle | 이용약관 | 개인정보 보호정책" (© Oracle | Terms of Use | Privacy Policy).

How to Use Oracle Live SQL

- Click “Start Coding”



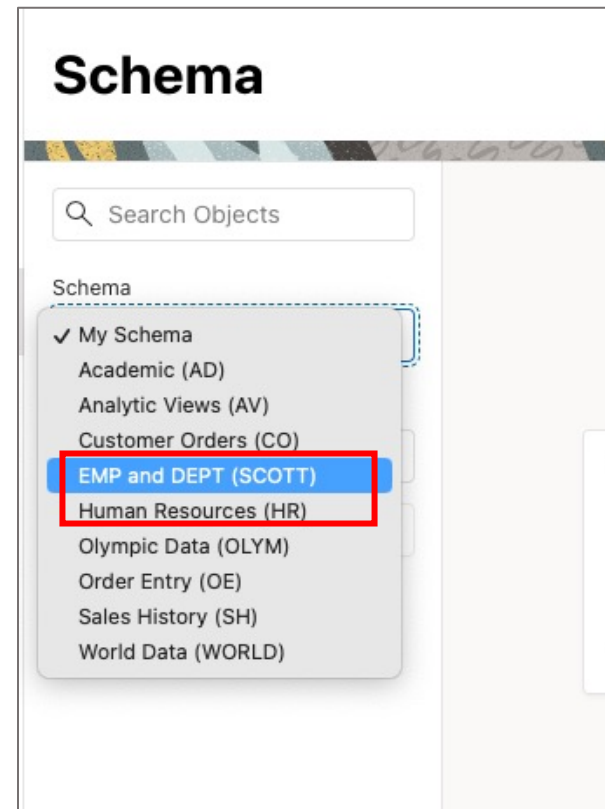
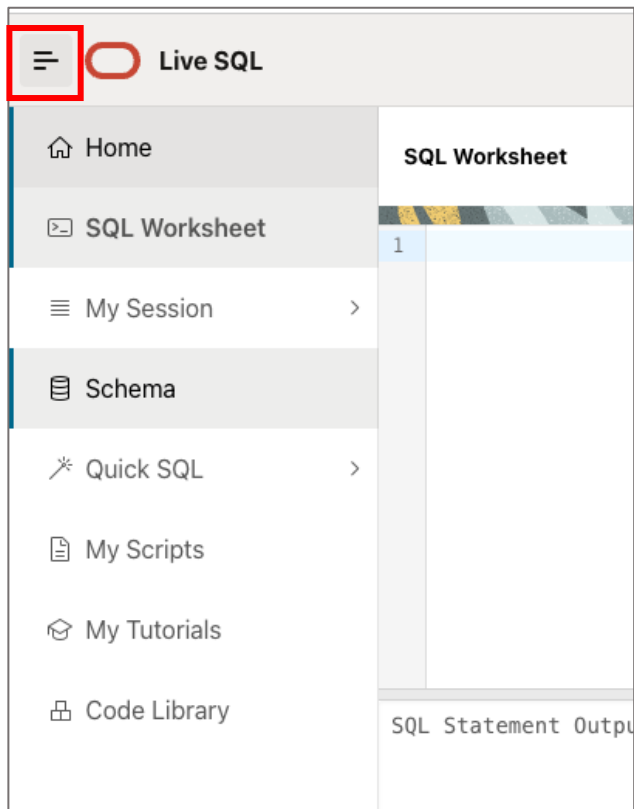
How to Use Oracle Live SQL

- You can execute the queries by writing in SQL worksheet.
- SQL Worksheet stores previous information/queries unless the session is disconnected.

The screenshot displays the Oracle Live SQL web interface. On the left is a sidebar menu with the following items: Home, SQL Worksheet (highlighted with a red box), My Session, Schema, Quick SQL, My Scripts, My Tutorials, and Code Library. A blue arrow points from the 'SQL Worksheet' menu item to the main content area. The main content area has a header bar with the 'Live SQL' logo and navigation links for Feedback, Help, and a user profile. Below the header, the 'SQL Worksheet' section contains a toolbar with 'Clear', 'Find', 'Actions', 'Save', and a 'Run' button (highlighted with a red box). The main text area shows a SQL query: 'SELECT * FROM ...'. At the bottom, there is a section labeled 'SQL Statement Output'.

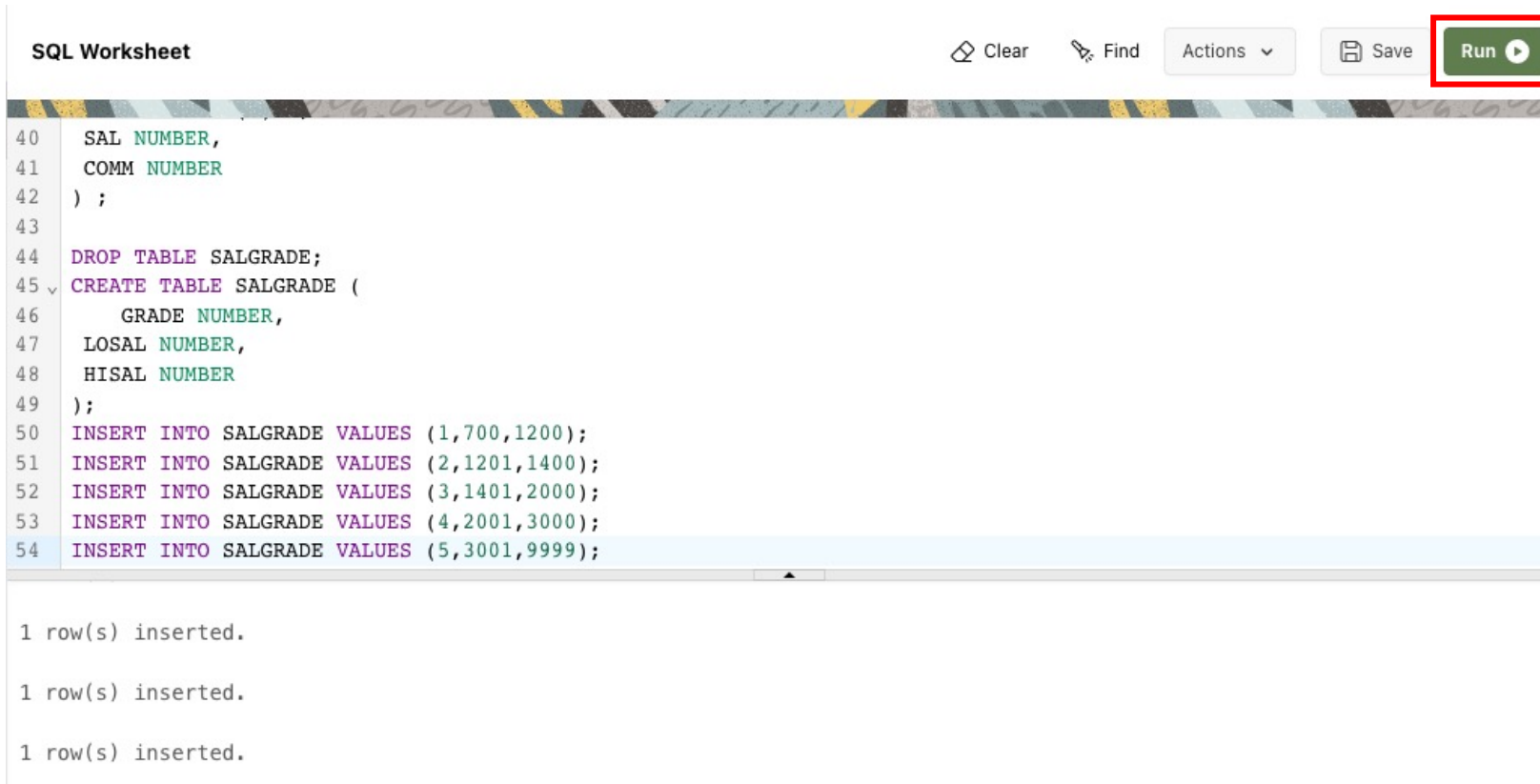
How to Use Oracle Live SQL

- When you click the menu button in the top left corner, there is a 'Schema'.
- You have **READ-ONLY ACCESS** on SCOTT and HR Schemas.



Create SCOTT Tables on Your Own Schema

- To freely manipulate the SCOTT tables, (for the exercises) we must create the SCOTT's tables on our own Schema.
- Copy and paste the SCOTT sql script. (Github)



The screenshot shows an SQL Worksheet interface. At the top, there's a title bar with 'SQL Worksheet' and several action buttons: 'Clear', 'Find', 'Actions', 'Save', and 'Run'. The 'Run' button is highlighted with a red rectangular box. Below the title bar, the main area contains a SQL script. The script starts with a table definition for 'SAL' (lines 40-43), followed by a 'DROP TABLE SALGRADE;' statement (line 44). Then, it creates the 'SALGRADE' table with columns 'GRADE', 'LOSAL', and 'HISAL' (lines 45-49). Finally, it inserts five rows of data into the 'SALGRADE' table (lines 50-54). The last line of the script is highlighted in blue. Below the script, the output area shows three lines of feedback: '1 row(s) inserted.' repeated three times.

```
40  SAL NUMBER,  
41  COMM NUMBER  
42  );  
43  
44  DROP TABLE SALGRADE;  
45  CREATE TABLE SALGRADE (  
46      GRADE NUMBER,  
47      LOSAL NUMBER,  
48      HISAL NUMBER  
49  );  
50  INSERT INTO SALGRADE VALUES (1,700,1200);  
51  INSERT INTO SALGRADE VALUES (2,1201,1400);  
52  INSERT INTO SALGRADE VALUES (3,1401,2000);  
53  INSERT INTO SALGRADE VALUES (4,2001,3000);  
54  INSERT INTO SALGRADE VALUES (5,3001,9999);
```

1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.

Create SCOTT Tables on Your Own Schema

- Now you can manipulate the tables freely.

SQL Worksheet

ClearFindActionsSaveRun

1 select * from emp;

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
7369	SMITH	CLERK	7902	17-DEC-80	800	—	20
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7566	JONES	MANAGER	7839	02-APR-81	2975	—	20
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	—	30
7782	CLARK	MANAGER	7839	09-JUN-81	2450	—	10
7788	SCOTT	ANALYST	7566	19-APR-87	3000	—	20
7839	KING	PRESIDENT	—	17-NOV-81	5000	—	10
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30

Pros & Cons of Oracle Live SQL

- **Pros**
 - Easy to use.
 - Do not require any complex environment settings.
 - User-friendly, Good visibility.
- **Cons**
 - Some of the functions related to sysdba are unsupported. (i.e. GRANT, CONNECT, SET AUTOTRACE)
 - Has a space limit.