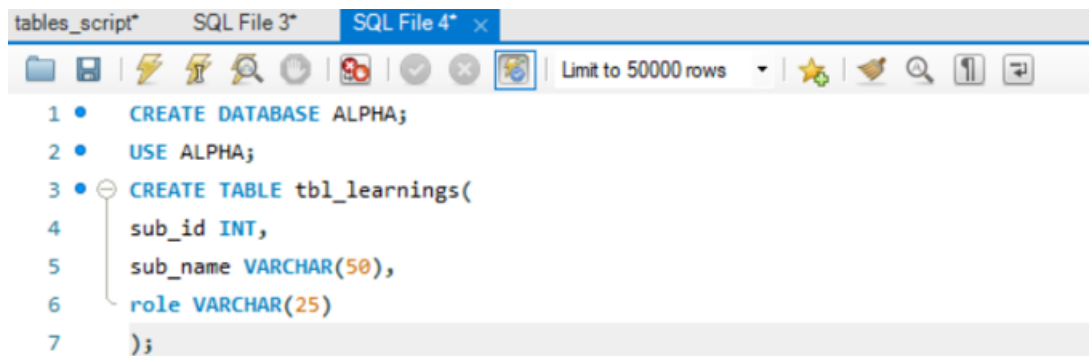


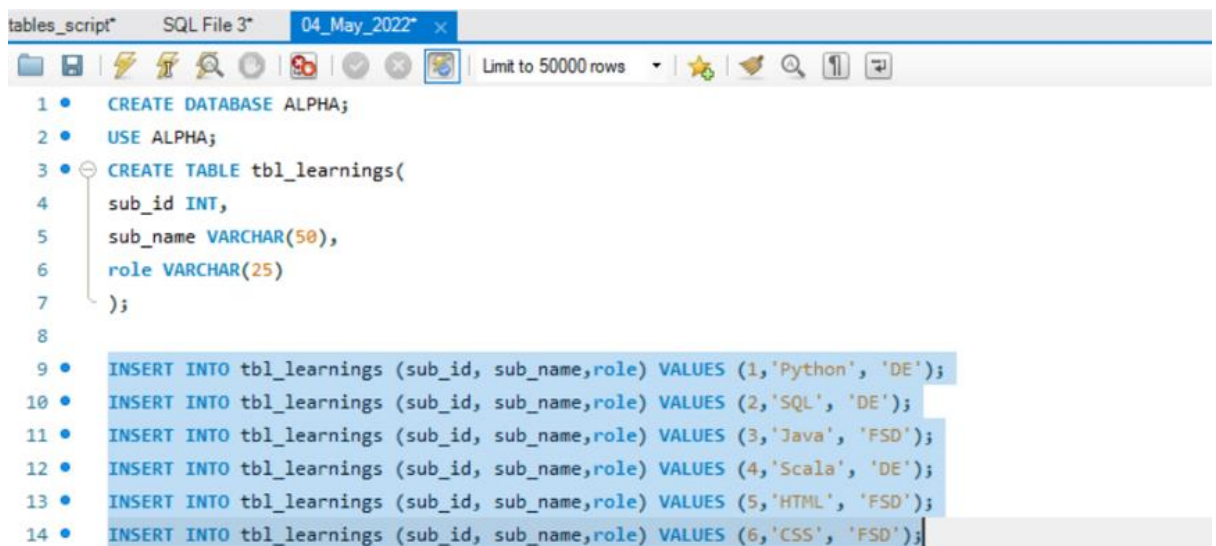
1. Create and Use Database



The screenshot shows a SQL IDE with three tabs: 'tables_script*', 'SQL File 3*', and 'SQL File 4*'. The 'SQL File 4*' tab is active. The toolbar includes icons for file operations, execution, and a 'Limit to 50000 rows' dropdown. The SQL script contains the following commands:

```
1 • CREATE DATABASE ALPHA;
2 • USE ALPHA;
3 • CREATE TABLE tbl_learnings(
4   sub_id INT,
5   sub_name VARCHAR(50),
6   role VARCHAR(25)
7 );
```

2. Insert into table



The screenshot shows the same SQL IDE with an additional tab '04_May_2022*'. The SQL script now includes six INSERT statements following the table creation:

```
1 • CREATE DATABASE ALPHA;
2 • USE ALPHA;
3 • CREATE TABLE tbl_learnings(
4   sub_id INT,
5   sub_name VARCHAR(50),
6   role VARCHAR(25)
7 );
8
9 • INSERT INTO tbl_learnings (sub_id, sub_name,role) VALUES (1,'Python', 'DE');
10 • INSERT INTO tbl_learnings (sub_id, sub_name,role) VALUES (2,'SQL', 'DE');
11 • INSERT INTO tbl_learnings (sub_id, sub_name,role) VALUES (3,'Java', 'FSD');
12 • INSERT INTO tbl_learnings (sub_id, sub_name,role) VALUES (4,'Scala', 'DE');
13 • INSERT INTO tbl_learnings (sub_id, sub_name,role) VALUES (5,'HTML', 'FSD');
14 • INSERT INTO tbl_learnings (sub_id, sub_name,role) VALUES (6,'CSS', 'FSD');
```

3. Use select

tables_script* SQL File 3* 04_May_2022* x

Limit to 50000 rows

```
12 • INSERT INTO tbl_learnings (sub_id, sub_name,role) VALUES (4,'Scala', 'DE');
13 • INSERT INTO tbl_learnings (sub_id, sub_name,role) VALUES (5,'HTML', 'FSD');
14 • INSERT INTO tbl_learnings (sub_id, sub_name,role) VALUES (6,'CSS', 'FSD');
15
16 • SELECT * FROM tbl_learnings;
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	sub_id	sub_name	role
▶	1	Python	DE
	2	SQL	DE
	3	Java	FSD
	4	Scala	DE
	5	HTML	FSD
	6	CSS	FSD

4. SELECT using DISTINCT

tables_script* SQL File 3* 04_May_2022* x

Limit to 50000 rows

```
14 • INSERT INTO tbl_learnings (sub_id, sub_name,role) VALUES (6,'CSS', 'FSD');
15
16 • SELECT * FROM tbl_learnings;
17
18 • SELECT DISTINCT sub_name FROM tbl_learnings;
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	sub_name
▶	Python
	SQL
	Java
	Scala
	HTML
	CSS

5. SELECT with WHERE

tables_script* SQL File 3* 04_May_2022* x

Limit to 50000 rows

```
18 • SELECT DISTINCT sub_name FROM tbl_learnings;
19
20 • SELECT sub_name FROM tbl_learnings WHERE sub_id = 3;
21
22
```

Result Grid Filter Rows: Export: Wrap Cell Content:

	sub_name
▶	Java

6. Combining WHERE and AND

The screenshot shows a SQL IDE window with a script containing three queries. The third query is selected and highlighted:

```
18 • SELECT DISTINCT sub_name FROM tbl_learnings;  
19  
20 • SELECT sub_name FROM tbl_learnings WHERE sub_id = 3;  
21  
22 • SELECT sub_name FROM tbl_learnings WHERE sub_id = 4 AND sub_name = 'Scala';
```

Below the script, the 'Result Grid' is displayed with the following data:

sub_name
Scala

7. Combining WHERE and OR

The screenshot shows a SQL IDE window with a script containing three queries. The third query is selected and highlighted:

```
20 • SELECT sub_name FROM tbl_learnings WHERE sub_id = 3;  
21  
22 • SELECT sub_name FROM tbl_learnings WHERE sub_id = 4 AND sub_name = 'Scala';  
23  
24 • SELECT * FROM tbl_learnings WHERE sub_name='Python' OR sub_name = 'SQL';
```

Below the script, the 'Result Grid' is displayed with the following data:

sub_id	sub_name	role
1	Python	DE
2	SQL	DE

8. WHERE and IN

The screenshot shows a SQL IDE window with a script containing three queries. The third query is selected and highlighted:

```
22 • SELECT sub_name FROM tbl_learnings WHERE sub_id = 4 AND sub_name = 'Scala';  
23  
24 • SELECT * FROM tbl_learnings WHERE sub_name='Python' OR sub_name = 'SQL';  
25  
26 • SELECT * FROM tbl_learnings WHERE sub_id IN (1,2,3,4,5,6,7);
```

Below the script, the 'Result Grid' is displayed with the following data:

sub_id	sub_name	role
1	Python	DE
2	SQL	DE
3	Java	FSD
4	Scala	DE
5	HTML	FSD
6	CSS	FSD

9. Combining WHERE and LIKE

tables_script* SQL File 3* 04_May_2022*

Limit to 50000 rows

```

24 • SELECT * FROM tbl_learnings WHERE sub_name='Python' OR sub_name = 'SQL';
25
26 • SELECT * FROM tbl_learnings WHERE sub_id IN (1,2,3,4,5,6,7);
27
28 • SELECT * FROM tbl_learnings WHERE sub_name LIKE '%on';

```

Result Grid Filter Rows: Export: Wrap Cell Content:

	sub_id	sub_name	role
▶	1	Python	DE

10. GROUP BY

tables_script* SQL File 3* 04_May_2022*

Limit to 50000 rows

```

25
26 • SELECT * FROM tbl_learnings WHERE sub_id IN (1,2,3,4,5,6,7);
27
28 • SELECT * FROM tbl_learnings WHERE sub_name LIKE '%on';
29 • SELECT sub_id, sub_name, role FROM tbl_learnings GROUP BY role, sub_name, sub_id ORDER BY sub_id, sub_name;

```

Result Grid Filter Rows: Export: Wrap Cell Content:

	sub_id	sub_name	role
▶	1	Python	DE
	2	SQL	DE
	3	Java	FSD
	4	Scala	DE
	5	HTML	FSD
	6	CSS	FSD

11. Total code

```
CREATE DATABASE ALPHA;
```

```
USE ALPHA;
```

```
CREATE TABLE tbl_learnings(
```

```
sub_id INT,
```

```
sub_name VARCHAR(50),
```

```
role VARCHAR(25)
```

```
);
```

```
INSERT INTO tbl_learnings (sub_id, sub_name, role) VALUES (1, 'Python', 'DE');
```

```
INSERT INTO tbl_learnings (sub_id, sub_name, role) VALUES (2, 'SQL', 'DE');
```

```
INSERT INTO tbl_learnings (sub_id, sub_name, role) VALUES (3, 'Java', 'FSD');
```

```
INSERT INTO tbl_learnings (sub_id, sub_name, role) VALUES (4, 'Scala', 'DE');
```

```
INSERT INTO tbl_learnings (sub_id, sub_name, role) VALUES (5, 'HTML', 'FSD');
```

```
INSERT INTO tbl_learnings (sub_id, sub_name, role) VALUES (6, 'CSS', 'FSD');
```

```
SELECT * FROM tbl_learnings;
```

```
SELECT DISTINCT sub_name FROM tbl_learnings;
```

```
SELECT sub_name FROM tbl_learnings WHERE sub_id = 3;
```

```
SELECT sub_name FROM tbl_learnings WHERE sub_id = 4 AND sub_name = 'Scala';
```

```
SELECT * FROM tbl_learnings WHERE sub_name='Python' OR sub_name = 'SQL';
```

```
SELECT * FROM tbl_learnings WHERE sub_id IN (1,2,3,4,5,6,7);
```

```
SELECT * FROM tbl_learnings WHERE sub_name LIKE '%on';
```

```
SELECT sub_id, sub_name, role FROM tbl_learnings GROUP BY role, sub_name, sub_id  
ORDER BY sub_id, sub_name;
```