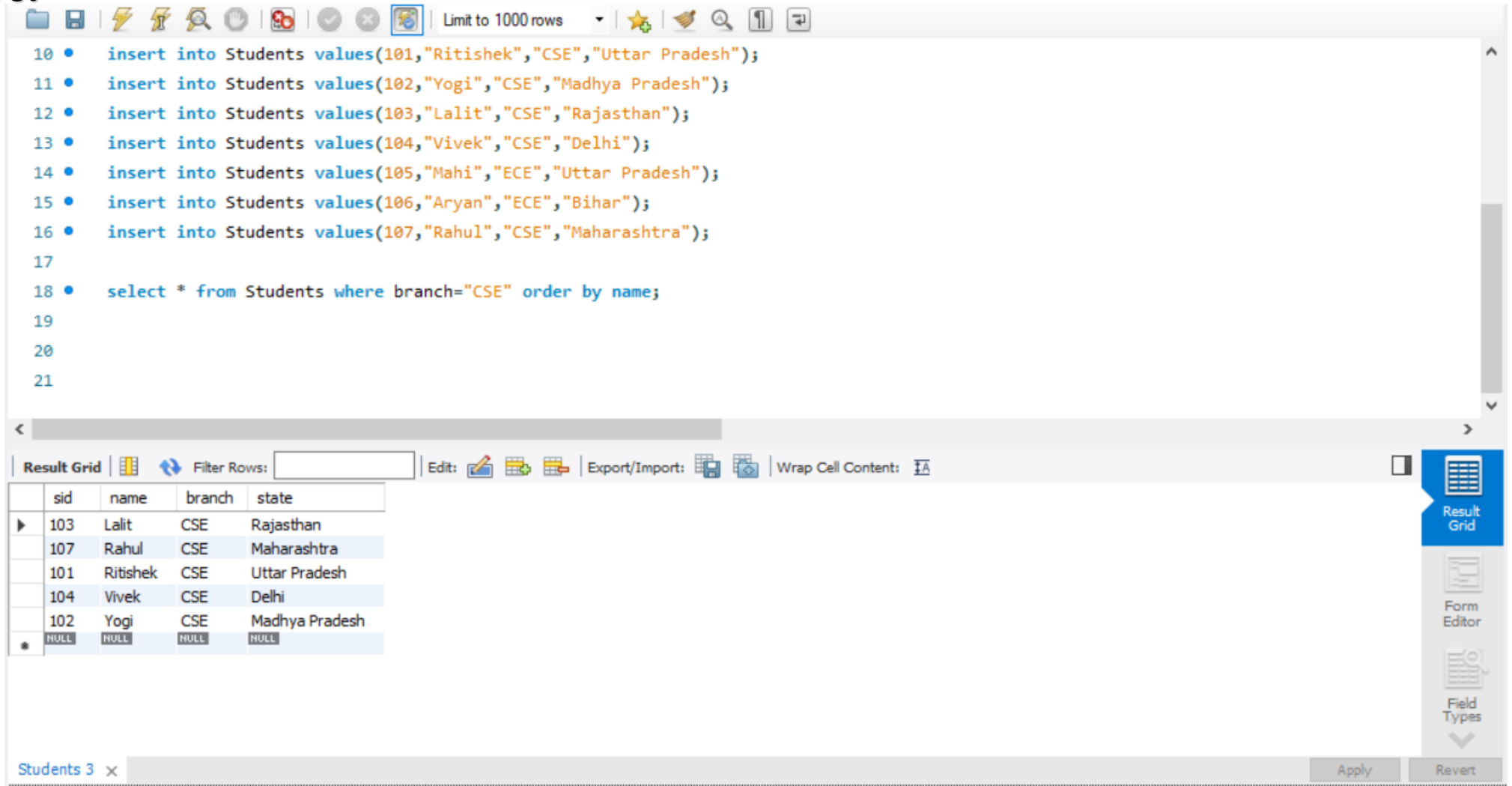


1. Order By Clause

Query:- select * from Student where branch="CSE" order by name

Output:-



The screenshot shows a database IDE interface. The top pane contains SQL queries. The bottom pane shows the results of the query in a table format. The table has columns: sid, name, branch, and state. The results are ordered by name, showing students with branch 'CSE'.

```
10 • insert into Students values(101,"Ritishek","CSE","Uttar Pradesh");
11 • insert into Students values(102,"Yogi","CSE","Madhya Pradesh");
12 • insert into Students values(103,"Lalit","CSE","Rajasthan");
13 • insert into Students values(104,"Vivek","CSE","Delhi");
14 • insert into Students values(105,"Mahi","ECE","Uttar Pradesh");
15 • insert into Students values(106,"Aryan","ECE","Bihar");
16 • insert into Students values(107,"Rahul","CSE","Maharashtra");
17
18 • select * from Students where branch="CSE" order by name;
19
20
21
```

sid	name	branch	state
103	Lalit	CSE	Rajasthan
107	Rahul	CSE	Maharashtra
101	Ritishek	CSE	Uttar Pradesh
104	Vivek	CSE	Delhi
102	Yogi	CSE	Madhya Pradesh
NULL	NULL	NULL	NULL

Students 3 x

Query:- select * from Student where branch="CSE" order by name desc

The screenshot shows a database management interface with a SQL editor and a results grid. The SQL editor contains the following queries:

```
7      state varchar(50)
8  );
9  • show tables;
10 • insert into Students values(101,"Ritishek","CSE","Uttar Pradesh");
11 • insert into Students values(102,"Yogi","CSE","Madhya Pradesh");
12 • insert into Students values(103,"Lalit","CSE","Rajasthan");
13 • insert into Students values(104,"Vivek","CSE","Delhi");
14 • insert into Students values(105,"Mahi","ECE","Uttar Pradesh");
15 • insert into Students values(106,"Aryan","ECE","Bihar");
16 • insert into Students values(107,"Rahul","CSE","Maharashtra");
17
18 • select * from Students where branch="CSE" order by name desc;
19
```

The results grid displays the output of the last query, showing students in the CSE branch ordered by name in descending order. The grid has columns for sid, name, branch, and state.

	sid	name	branch	state
▶	102	Yogi	CSE	Madhya Pradesh
	104	Vivek	CSE	Delhi
	101	Ritishek	CSE	Uttar Pradesh
	107	Rahul	CSE	Maharashtra
	103	Lalit	CSE	Rajasthan
*	NULL	NULL	NULL	NULL

The interface also includes a toolbar with various icons for file operations, a 'Limit to 1000 rows' dropdown, and a sidebar with options for 'Result Grid', 'Form Editor', and 'Field Types'.

Query:- select * from Student where branch="CSE" order by name asc

The screenshot shows a database management interface with a SQL editor and a results grid. The SQL editor contains the following queries:

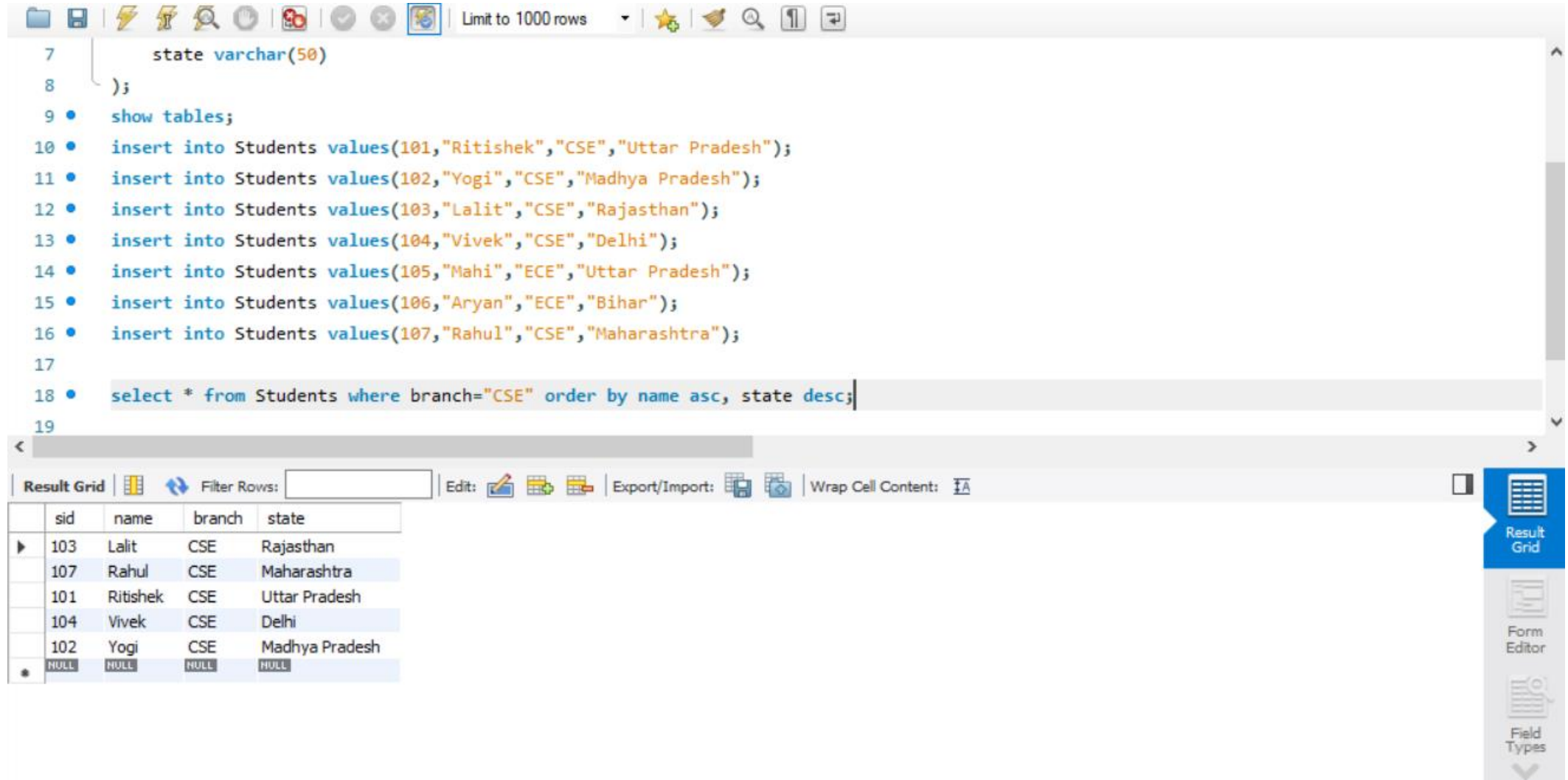
```
7      state varchar(50)
8  );
9  • show tables;
10 • insert into Students values(101,"Ritishek","CSE","Uttar Pradesh");
11 • insert into Students values(102,"Yogi","CSE","Madhya Pradesh");
12 • insert into Students values(103,"Lalit","CSE","Rajasthan");
13 • insert into Students values(104,"Vivek","CSE","Delhi");
14 • insert into Students values(105,"Mahi","ECE","Uttar Pradesh");
15 • insert into Students values(106,"Aryan","ECE","Bihar");
16 • insert into Students values(107,"Rahul","CSE","Maharashtra");
17
18 • select * from Students where branch="CSE" order by name asc;
19
```

The results grid displays the output of the query, showing a list of students with the branch "CSE" ordered by name. The grid has columns for sid, name, branch, and state. The results are as follows:

sid	name	branch	state
103	Lalit	CSE	Rajasthan
107	Rahul	CSE	Maharashtra
101	Ritishek	CSE	Uttar Pradesh
104	Vivek	CSE	Delhi
102	Yogi	CSE	Madhya Pradesh
NULL	NULL	NULL	NULL

The interface also includes a toolbar with various icons for file operations, a "Limit to 1000 rows" dropdown, and a "Result Grid" button on the right side.

Query:- select * from Student where branch="CSE" order by name asc, state desc



The screenshot displays a database management interface. The top section contains a SQL query editor with the following code:

```
7      state varchar(50)
8  );
9  • show tables;
10 • insert into Students values(101,"Ritishek","CSE","Uttar Pradesh");
11 • insert into Students values(102,"Yogi","CSE","Madhya Pradesh");
12 • insert into Students values(103,"Lalit","CSE","Rajasthan");
13 • insert into Students values(104,"Vivek","CSE","Delhi");
14 • insert into Students values(105,"Mahi","ECE","Uttar Pradesh");
15 • insert into Students values(106,"Aryan","ECE","Bihar");
16 • insert into Students values(107,"Rahul","CSE","Maharashtra");
17
18 • select * from Students where branch="CSE" order by name asc, state desc;
19
```

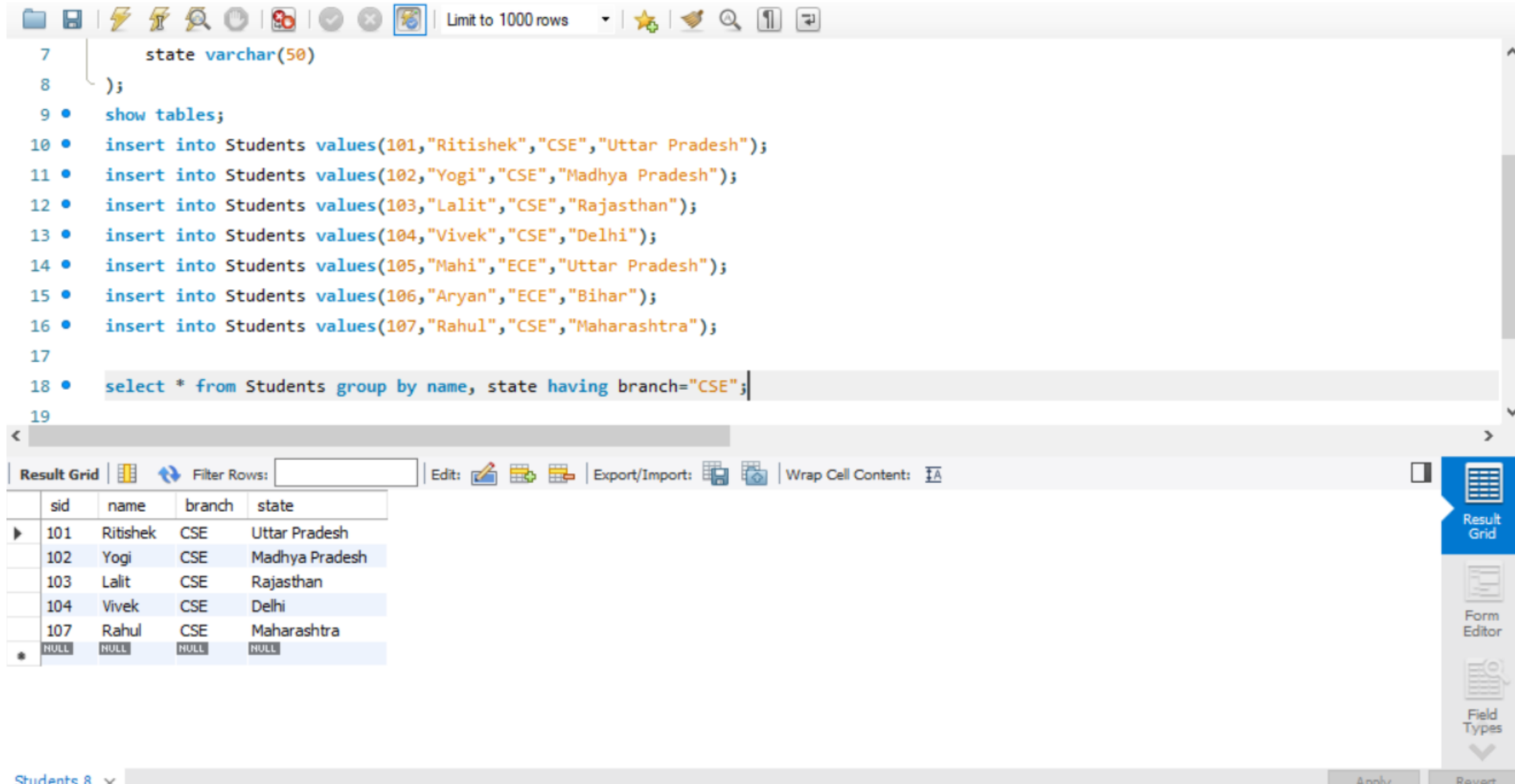
Below the editor, the 'Result Grid' tab is active, showing the results of the query. The results are displayed in a table with the following data:

sid	name	branch	state
103	Lalit	CSE	Rajasthan
107	Rahul	CSE	Maharashtra
101	Ritishek	CSE	Uttar Pradesh
104	Vivek	CSE	Delhi
102	Yogi	CSE	Madhya Pradesh
NULL	NULL	NULL	NULL

The interface includes a toolbar at the top with various icons for file operations, a 'Limit to 1000 rows' dropdown, and a 'Filter Rows' input field. The bottom right corner features a sidebar with icons for 'Result Grid', 'Form Editor', and 'Field Types'.

2. Group By and Having :

Query:- select * from Students group by name , state having branch="CSE";



The screenshot shows a database IDE interface. The top toolbar includes icons for file operations, execution, and a 'Limit to 1000 rows' dropdown. The SQL editor contains the following code:

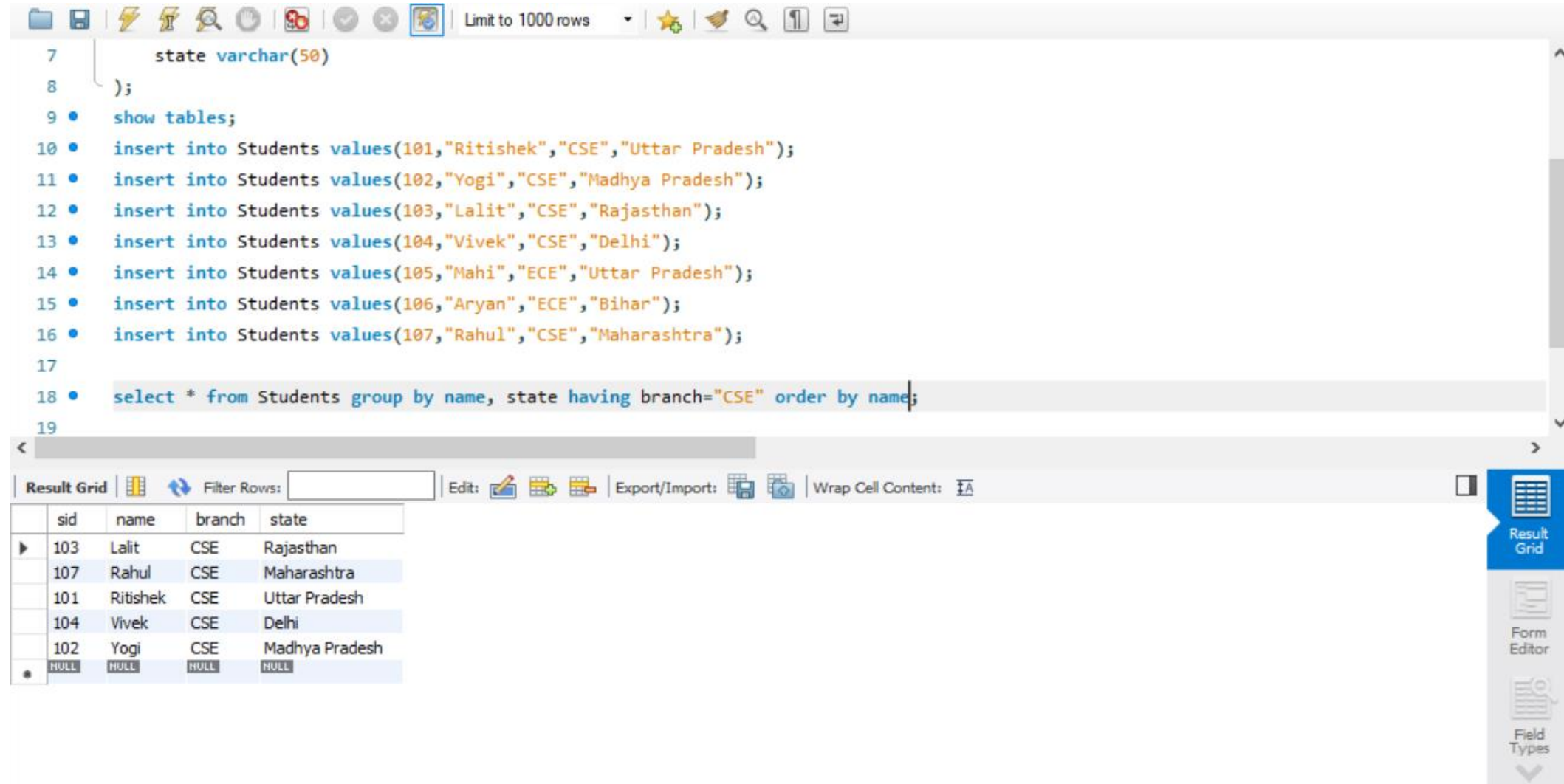
```
7      state varchar(50)
8  );
9  • show tables;
10 • insert into Students values(101,"Ritishek","CSE","Uttar Pradesh");
11 • insert into Students values(102,"Yogi","CSE","Madhya Pradesh");
12 • insert into Students values(103,"Lalit","CSE","Rajasthan");
13 • insert into Students values(104,"Vivek","CSE","Delhi");
14 • insert into Students values(105,"Mahi","ECE","Uttar Pradesh");
15 • insert into Students values(106,"Aryan","ECE","Bihar");
16 • insert into Students values(107,"Rahul","CSE","Maharashtra");
17
18 • select * from Students group by name, state having branch="CSE";
19
```

Below the editor is the 'Result Grid' section, which includes a 'Filter Rows' input field and a toolbar with icons for editing, exporting, and wrapping content. The results are displayed in a table with 5 columns: sid, name, branch, and state. The table shows 6 rows of data, with the last row containing NULL values.

sid	name	branch	state
101	Ritishek	CSE	Uttar Pradesh
102	Yogi	CSE	Madhya Pradesh
103	Lalit	CSE	Rajasthan
104	Vivek	CSE	Delhi
107	Rahul	CSE	Maharashtra
NULL	NULL	NULL	NULL

On the right side of the interface, there is a vertical toolbar with icons for 'Result Grid', 'Form Editor', and 'Field Types'. At the bottom, there is a status bar showing 'Students 8' and buttons for 'Apply' and 'Revert'.

Query:-select * from Students group by name , state having branch="CSE"
order by name asc;



The screenshot shows a database management interface with a SQL editor and a result grid. The SQL editor contains the following queries:

```
7 state varchar(50)
8 );
9 • show tables;
10 • insert into Students values(101,"Ritishek","CSE","Uttar Pradesh");
11 • insert into Students values(102,"Yogi","CSE","Madhya Pradesh");
12 • insert into Students values(103,"Lalit","CSE","Rajasthan");
13 • insert into Students values(104,"Vivek","CSE","Delhi");
14 • insert into Students values(105,"Mahi","ECE","Uttar Pradesh");
15 • insert into Students values(106,"Aryan","ECE","Bihar");
16 • insert into Students values(107,"Rahul","CSE","Maharashtra");
17
18 • select * from Students group by name, state having branch="CSE" order by name;
19
```

The result grid displays the following data:

	sid	name	branch	state
▶	103	Lalit	CSE	Rajasthan
	107	Rahul	CSE	Maharashtra
	101	Ritishek	CSE	Uttar Pradesh
	104	Vivek	CSE	Delhi
	102	Yogi	CSE	Madhya Pradesh
*	NULL	NULL	NULL	NULL

The interface includes a toolbar at the top with icons for file operations, a "Limit to 1000 rows" dropdown, and a "Result Grid" button on the right. The result grid also has a "Filter Rows" input field and buttons for "Edit", "Export/Import", and "Wrap Cell Content".

3. Aggregate Functions :

A . Count :

Query:- select count(*) from Students;

The screenshot shows a database query editor interface. The top toolbar includes icons for file operations, execution, and a 'Limit to 1000 rows' dropdown. The main text area contains the following SQL code:

```
7      state varchar(50)
8  );
9  • show tables;
10 • insert into Students values(101,"Ritishek","CSE","Uttar Pradesh");
11 • insert into Students values(102,"Yogi","CSE","Madhya Pradesh");
12 • insert into Students values(103,"Lalit","CSE","Rajasthan");
13 • insert into Students values(104,"Vivek","CSE","Delhi");
14 • insert into Students values(105,"Mahi","ECE","Uttar Pradesh");
15 • insert into Students values(106,"Aryan","ECE","Bihar");
16 • insert into Students values(107,"Rahul","CSE","Maharashtra");
17
18 • select count(*) from Students;
19
```

Below the code editor, the 'Result Grid' tab is active, displaying the result of the query:

count(*)
7

The right sidebar contains icons for 'Result Grid', 'Form Editor', and 'Field Types'.

Query:- select count(*) from Students where branch="CSE";

The screenshot shows a database management tool interface. The top toolbar includes icons for file operations, execution, and a 'Limit to 1000 rows' dropdown. The main area displays a list of SQL queries with line numbers 7 through 19. The 18th query is highlighted: `select count(*) from Students where branch="CSE";`. Below the queries, a 'Result Grid' section shows the output of the highlighted query as a table with one row containing the value 5. The right sidebar contains icons for 'Result Grid', 'Form Editor', and 'Field Types'.

```
7      state varchar(50)
8    );
9 •   show tables;
10 •  insert into Students values(101,"Ritishek","CSE","Uttar Pradesh");
11 •  insert into Students values(102,"Yogi","CSE","Madhya Pradesh");
12 •  insert into Students values(103,"Lalit","CSE","Rajasthan");
13 •  insert into Students values(104,"Vivek","CSE","Delhi");
14 •  insert into Students values(105,"Mahi","ECE","Uttar Pradesh");
15 •  insert into Students values(106,"Aryan","ECE","Bihar");
16 •  insert into Students values(107,"Rahul","CSE","Maharashtra");
17
18 •  select count(*) from Students where branch="CSE";
19
```

count(*)
5

Query:- select count(*) from Students where cgpa>=9.0;

```
41 • select * from Students;
42 • select * from Students order by name;
43 • select * from Students order by name desc;
44 • select * from Students where branch="CSE" order by name asc;
45 • select * from Students order by name asc, state desc;
46
47 • select * from Students group by name , state having branch="CSE";
48 • select * from Students group by name , state having branch="CSE" order by name asc;
49
50 • select count(*) from Students;
51 • select count(*) from Students where branch="CSE";
52 • select count(*) from Students where cgpa>=9.0;
53
```

< >

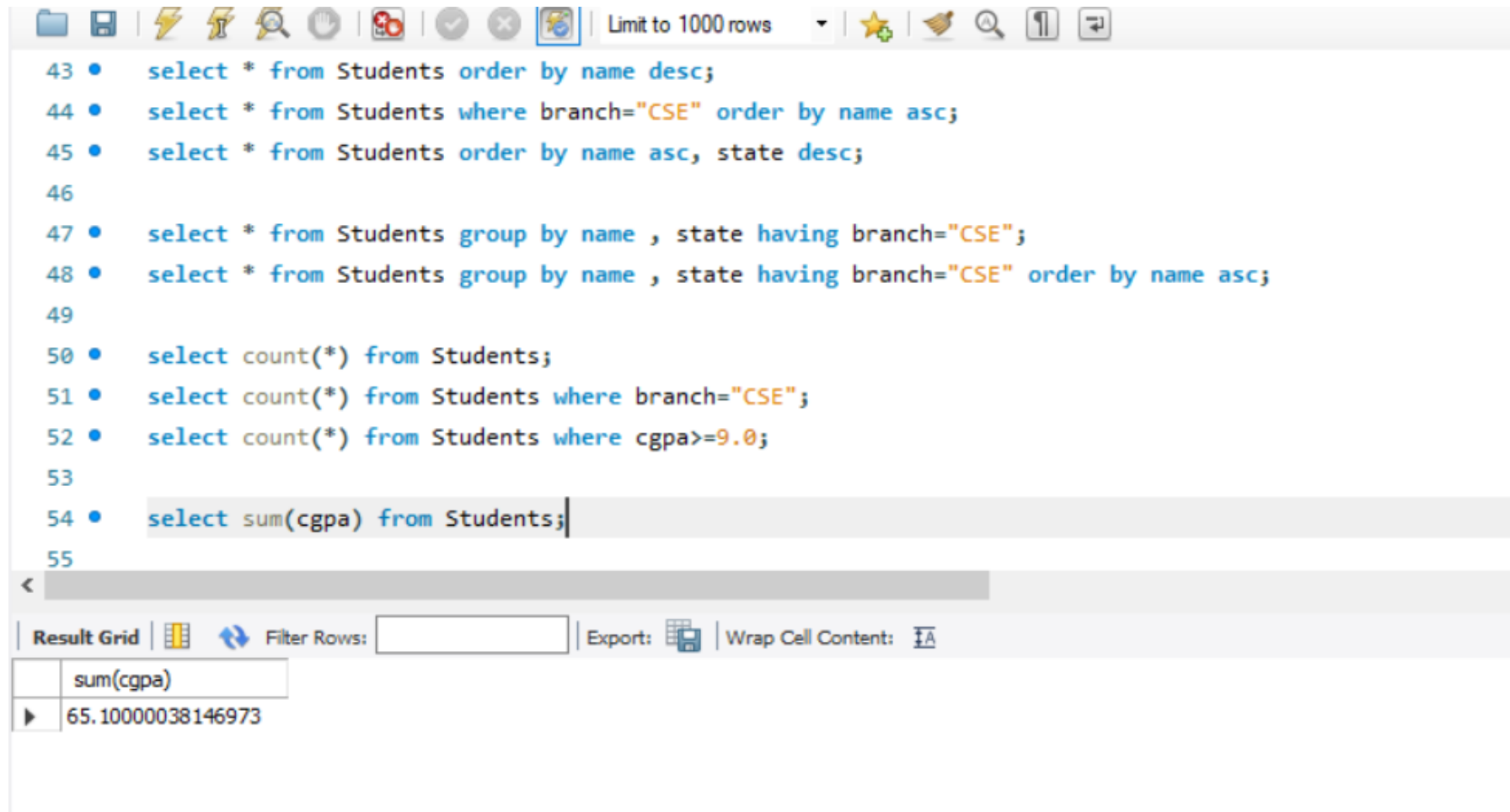
Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	count(*)
▶	6

Result Grid
Form Editor
Field Types

C . Sum :

Query:- select sum(cgpa) from Students;



The screenshot shows a SQL query editor with a toolbar at the top containing icons for file operations, execution, and navigation. A dropdown menu indicates "Limit to 1000 rows". The editor contains a list of SQL queries, with the last query highlighted. Below the editor is a "Result Grid" section with a "Filter Rows" input field, an "Export" button, and a "Wrap Cell Content" checkbox. The result grid displays the output of the selected query.

```
43 • select * from Students order by name desc;
44 • select * from Students where branch="CSE" order by name asc;
45 • select * from Students order by name asc, state desc;
46
47 • select * from Students group by name , state having branch="CSE";
48 • select * from Students group by name , state having branch="CSE" order by name asc;
49
50 • select count(*) from Students;
51 • select count(*) from Students where branch="CSE";
52 • select count(*) from Students where cgpa>=9.0;
53
54 • select sum(cgpa) from Students;
55
```

sum(cgpa)
65.10000038146973

B . Average :

Query:- select avg(cgpa) from Students;

```
45 • select * from Students order by name asc, state desc;
46
47 • select * from Students group by name , state having branch="CSE";
48 • select * from Students group by name , state having branch="CSE" order by name asc;
49
50 • select count(*) from Students;
51 • select count(*) from Students where branch="CSE";
52 • select count(*) from Students where cgpa>=9.0;
53
54 • select sum(cgpa) from Students;
55
56 • select avg(cgpa) from Students;
57
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
avg(cgpa)				
▶	9.300000054495674			

Result Grid
Form Editor
Field Types

Query:- select avg(cgpa) from Students where branch="CSE";

The screenshot shows a database query editor interface. The main area contains a list of SQL queries, with the 58th query selected and highlighted. The queries are as follows:

- 47 • `select * from Students group by name , state having branch="CSE";`
- 48 • `select * from Students group by name , state having branch="CSE" order by name asc;`
- 49
- 50 • `select count(*) from Students;`
- 51 • `select count(*) from Students where branch="CSE";`
- 52 • `select count(*) from Students where cgpa>=9.0;`
- 53
- 54 • `select sum(cgpa) from Students;`
- 55
- 56 • `select avg(cgpa) from Students;`
- 57
- 58 • `select avg(cgpa) from Students where branch="CSE";` (Selected)
- 59

Below the query list, there is a toolbar with options: "Result Grid", "Filter Rows:" (with an input field), "Export:" (with a download icon), and "Wrap Cell Content:" (with a text icon). The "Result Grid" is active, displaying the following data:

avg(cgpa)
9.160000038146972

On the right side of the interface, there is a vertical toolbar with three icons: "Result Grid" (active), "Form Editor", and a search icon.

Query:- select avg(cgpa) from Students where branch="ECE";

```
49
50 • select count(*) from Students;
51 • select count(*) from Students where branch="CSE";
52 • select count(*) from Students where cgpa>=9.0;
53
54 • select sum(cgpa) from Students;
55
56 • select avg(cgpa) from Students;
57
58 • select avg(cgpa) from Students where branch="CSE";
59
60 • select avg(cgpa) from Students where branch="ECE";
61
```

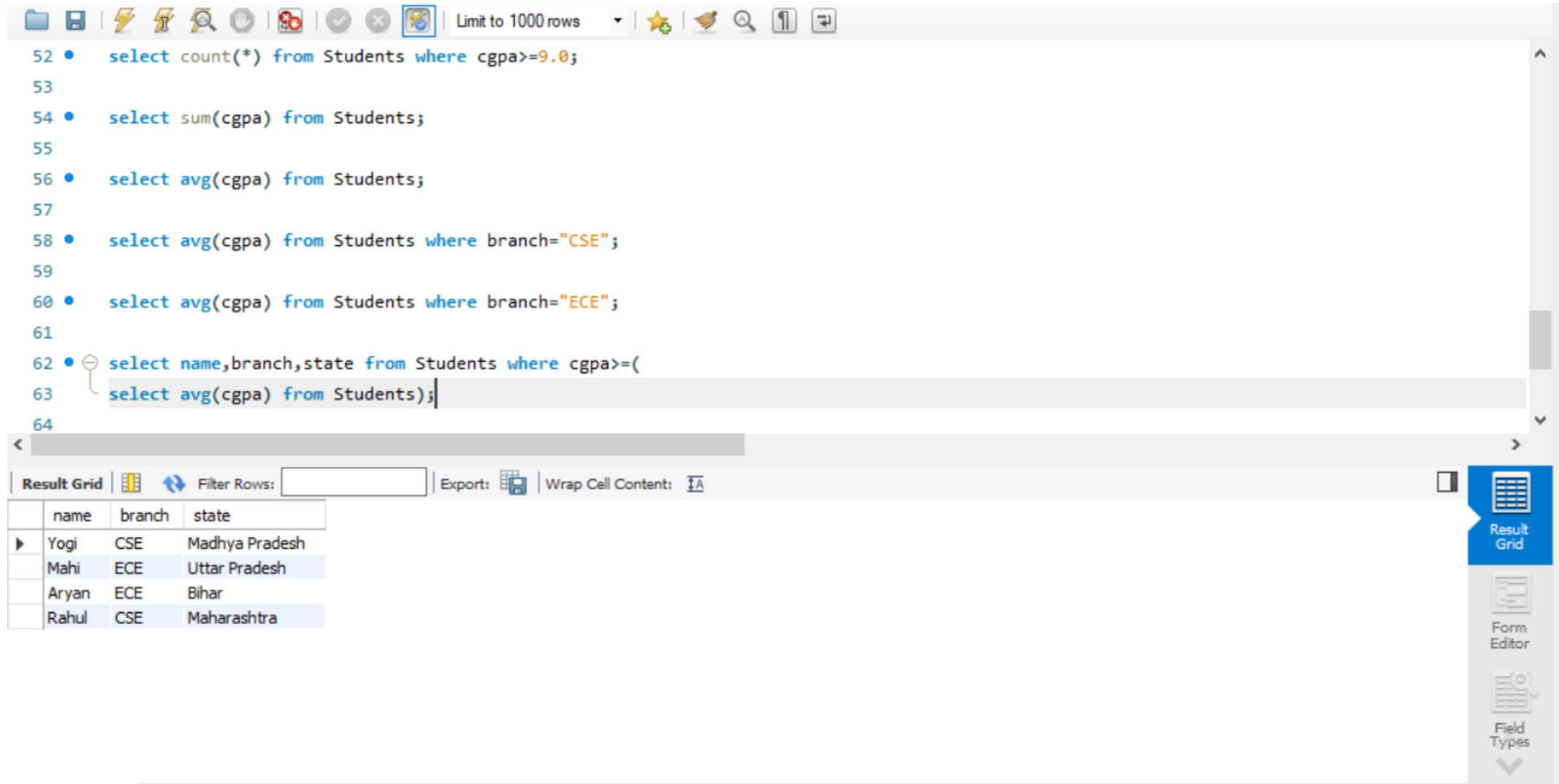
Result Grid		Filter Rows:	Export:	Wrap Cell Content:
avg(cgpa)				
▶	9.650000095367432			

Result Grid

Form Editor

Field Types

Query:- select name,branch,state from Students where
cgpa>=(select avg(cgpa) from Students);



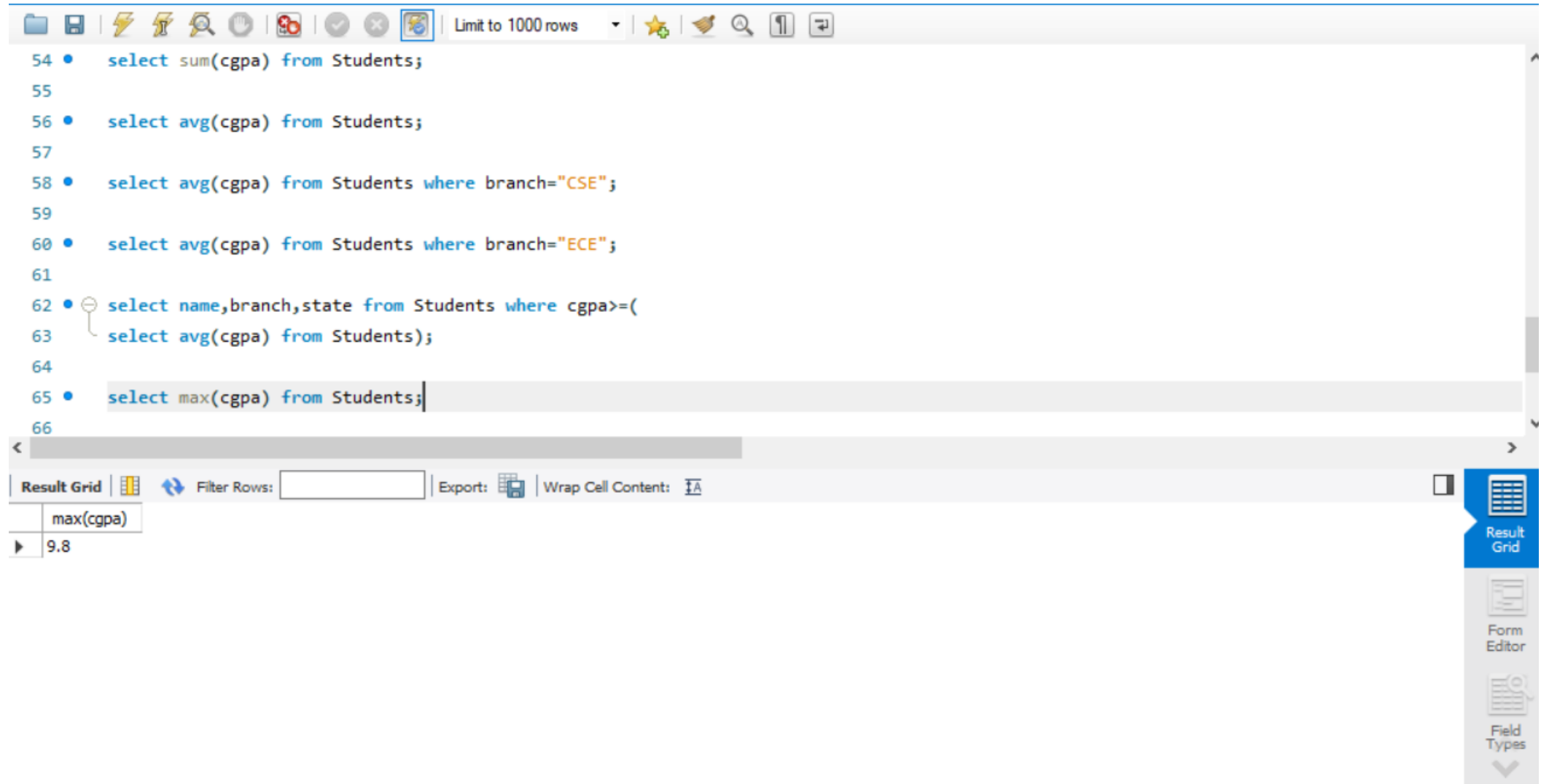
The screenshot shows a database query editor interface. The top toolbar includes icons for file operations, execution, and a dropdown menu set to "Limit to 1000 rows". The main area contains a list of SQL queries, with the last one selected and highlighted. Below the queries is a "Result Grid" section showing a table with four columns: name, branch, and state. The table contains four rows of data. On the right side, there is a vertical toolbar with icons for "Result Grid", "Form Editor", and "Field Types".

```
52 • select count(*) from Students where cgpa>=9.0;
53
54 • select sum(cgpa) from Students;
55
56 • select avg(cgpa) from Students;
57
58 • select avg(cgpa) from Students where branch="CSE";
59
60 • select avg(cgpa) from Students where branch="ECE";
61
62 • select name,branch,state from Students where cgpa>=(
63   select avg(cgpa) from Students);
64
```

	name	branch	state
▶	Yogi	CSE	Madhya Pradesh
	Mahi	ECE	Uttar Pradesh
	Aryan	ECE	Bihar
	Rahul	CSE	Maharashtra

D . Max :

Query :- select max(cgpa) from Students;



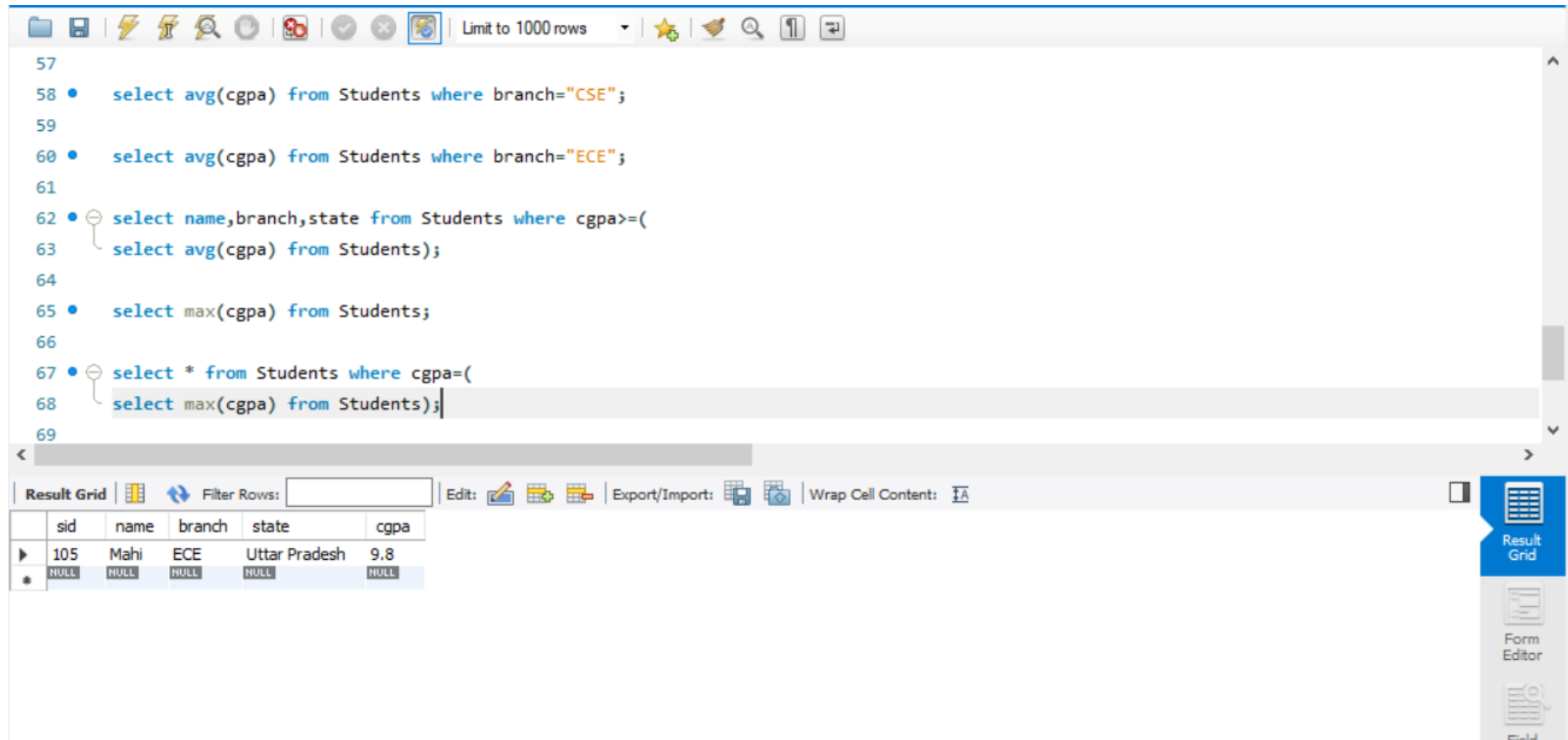
The screenshot displays a database query editor interface. The main area contains a list of SQL queries, with the last one, `select max(cgpa) from Students;`, highlighted. The interface includes a toolbar at the top with various icons and a 'Limit to 1000 rows' dropdown. Below the query list, a 'Result Grid' is visible, showing the output of the selected query. The result is a single row with the value '9.8'.

```
54 • select sum(cgpa) from Students;
55
56 • select avg(cgpa) from Students;
57
58 • select avg(cgpa) from Students where branch="CSE";
59
60 • select avg(cgpa) from Students where branch="ECE";
61
62 • select name,branch,state from Students where cgpa>=(
63   select avg(cgpa) from Students);
64
65 • select max(cgpa) from Students;
66
```

Result Grid

max(cgpa)
9.8

Query:- select * from Students where cgpa=(select max(cgpa) from Students);



The screenshot shows a database query editor interface. The main area contains a list of SQL queries, with the last query highlighted. The queries are as follows:

```
57  
58 • select avg(cgpa) from Students where branch="CSE";  
59  
60 • select avg(cgpa) from Students where branch="ECE";  
61  
62 • select name,branch,state from Students where cgpa>=(  
63   select avg(cgpa) from Students);  
64  
65 • select max(cgpa) from Students;  
66  
67 • select * from Students where cgpa=(  
68   select max(cgpa) from Students);  
69
```

Below the queries is a toolbar with various icons and a "Limit to 1000 rows" dropdown. At the bottom, there is a "Result Grid" section with a table showing the results of the queries. The table has columns for sid, name, branch, state, and cgpa. The first row shows a student with sid 105, name Mahi, branch ECE, state Uttar Pradesh, and cgpa 9.8. The second row shows a student with NULL values for all columns.

sid	name	branch	state	cgpa
105	Mahi	ECE	Uttar Pradesh	9.8
*	NULL	NULL	NULL	NULL

On the right side of the interface, there is a vertical toolbar with buttons for "Result Grid", "Form Editor", and "Field".

E . Min :

Query:- select min(cgpa) from Students;

The screenshot shows a database query editor interface. The main area contains a list of SQL queries, with the last one highlighted. The interface includes a toolbar at the top with various icons and a 'Limit to 1000 rows' dropdown. Below the queries, there is a 'Result Grid' section showing the output of the selected query. The result is a single row with the value 8.6.

```
59
60 • select avg(cgpa) from Students where branch="ECE";
61
62 • select name,branch,state from Students where cgpa>=(
63   select avg(cgpa) from Students);
64
65 • select max(cgpa) from Students;
66
67 • select * from Students where cgpa=(
68   select max(cgpa) from Students);
69
70 • select min(cgpa) from Students;
71
```

Result Grid

min(cgpa)
8.6

Filter Rows: Export: Wrap Cell Content:

Result Grid
Form Editor

Query:- select * from Students where cgpa=(select min(cgpa) from Students);

```
62 • select name,branch,state from Students where cgpa>=(
63   select avg(cgpa) from Students);
64
65 • select max(cgpa) from Students;
66
67 • select * from Students where cgpa=(
68   select max(cgpa) from Students);
69
70 • select min(cgpa) from Students;
71
72 • select * from Students where cgpa=(
73   select min(cgpa) from Students);
74
```

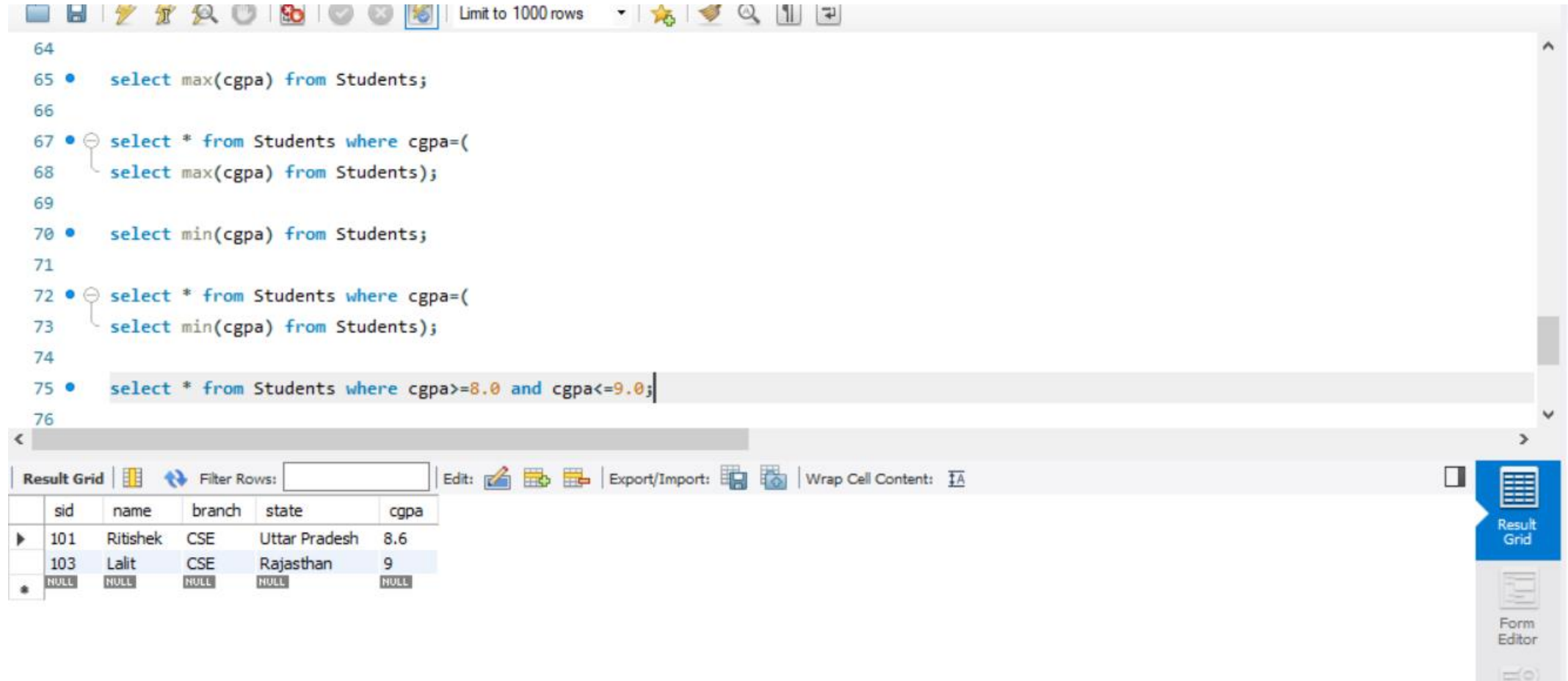
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

	sid	name	branch	state	cgpa
▶	101	Ritishek	CSE	Uttar Pradesh	8.6
*	NULL	NULL	NULL	NULL	NULL

Result Grid
Form Editor
Field Types

F . And :

Query:- select * from Students where cgpa>=8.0 and cgpa<=9.0;



The screenshot shows a database query editor interface. The main area contains a list of SQL queries, with the last query highlighted. The interface includes a toolbar at the top with various icons and a 'Limit to 1000 rows' dropdown. Below the queries, there is a 'Result Grid' section with a table of data. The table has columns for 'sid', 'name', 'branch', 'state', and 'cgpa'. The first two rows of data are visible: one for 'Ritishek' (sid 101, cgpa 8.6) and one for 'Lalit' (sid 103, cgpa 9). The last row shows 'NULL' values. To the right of the table, there are buttons for 'Result Grid', 'Form Editor', and 'Export/Import'.

```
64
65 • select max(cgpa) from Students;
66
67 • select * from Students where cgpa=(
68   select max(cgpa) from Students);
69
70 • select min(cgpa) from Students;
71
72 • select * from Students where cgpa=(
73   select min(cgpa) from Students);
74
75 • select * from Students where cgpa>=8.0 and cgpa<=9.0;
76
```

sid	name	branch	state	cgpa
101	Ritishek	CSE	Uttar Pradesh	8.6
103	Lalit	CSE	Rajasthan	9
*	NULL	NULL	NULL	NULL

Query:- select * from Students where cgpa>=9.0 and branch="CSE";

The screenshot shows a database query editor interface. The top toolbar includes icons for file operations, execution, and a 'Limit to 1000 rows' dropdown. The query editor contains several SQL statements, with the last one highlighted: `select * from Students where cgpa>=9.0 and branch="CSE";`. Below the editor is a 'Result Grid' section with a table of student data. The table has columns for sid, name, branch, state, and cgpa. The data rows show four students with CGPA values of 9.4, 9, 9.2, and 9.6, all in the CSE branch. A 'Form Editor' button is visible on the right side of the interface.

```
66
67 • select * from Students where cgpa=(
68   select max(cgpa) from Students);
69
70 • select min(cgpa) from Students;
71
72 • select * from Students where cgpa=(
73   select min(cgpa) from Students);
74
75 • select * from Students where cgpa>=8.0 and cgpa<=9.0;
76
77 • select * from Students where cgpa>=9.0 and branch="CSE";
78
```

sid	name	branch	state	cgpa
102	Yogi	CSE	Madhya Pradesh	9.4
103	Lalit	CSE	Rajasthan	9
104	Vivek	CSE	Delhi	9.2
107	Rahul	CSE	Maharashtra	9.6
NULL	NULL	NULL	NULL	NULL

G. OR:-

```
68 select max(cgpa) from Students;
69
70 • select min(cgpa) from Students;
71
72 • select * from Students where cgpa=(
73 select min(cgpa) from Students);
74
75 • select * from Students where cgpa>=8.0 and cgpa<=9.0;
76
77 • select * from Students where cgpa>=9.0 and branch="CSE";
78
79 • select * from Students where state="Uttar Pradesh" or state="Madhya Pradesh";
80
```

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Content:

	sid	name	branch	state	cgpa
▶	101	Ritishek	CSE	Uttar Pradesh	8.6
	102	Yogi	CSE	Madhya Pradesh	9.4
	105	Mahi	ECE	Uttar Pradesh	9.8
*	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

Field Types

H. LIKE :-

```
72 • select * from Students where cgpa=(
73   select min(cgpa) from Students);
74
75 • select * from Students where cgpa>=8.0 and cgpa<=9.0;
76
77 • select * from Students where cgpa>=9.0 and branch="CSE";
78
79 • select * from Students where state="Uttar Pradesh" or state="Madhya Pradesh";
80
81 • select * from Students where not state="Uttar Pradesh";
82
83 • select * from Students where name like "R%";
84
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

	sid	name	branch	state	cgpa
▶	101	Ritishek	CSE	Uttar Pradesh	8.6
	107	Rahul	CSE	Maharashtra	9.6
*	NULL	NULL	NULL	NULL	NULL



Result
Grid



Form
Editor





Field
Types


```
74
75 • select * from Students where cgpa>=8.0 and cgpa<=9.0;
76
77 • select * from Students where cgpa>=9.0 and branch="CSE";
78
79 • select * from Students where state="Uttar Pradesh" or state="Madhya Pradesh";
80
81 • select * from Students where not state="Uttar Pradesh";
82
83 • select * from Students where name like "R%";
84
85 • select * from Students where name like "_a%";
86
```

Result Grid |   Filter Rows: | Edit:    | Export/Import:   | Wrap Cell Content: 

	sid	name	branch	state	cgpa
▶	103	Lalit	CSE	Rajasthan	9
	105	Mahi	ECE	Uttar Pradesh	9.8
	107	Rahul	CSE	Maharashtra	9.6
*	NULL	NULL	NULL	NULL	NULL


Result
Grid


Form
Editor


Find

```
74
75 • select * from Students where cgpa>=8.0 and cgpa<=9.0;
76
77 • select * from Students where cgpa>=9.0 and branch="CSE";
78
79 • select * from Students where state="Uttar Pradesh" or state="Madhya Pradesh";
80
81 • select * from Students where not state="Uttar Pradesh";
82
83 • select * from Students where name like "R%";
84
85 • select * from Students where name like "R%l";
86
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

	sid	name	branch	state	cgpa
▶	107	Rahul	CSE	Maharashtra	9.6
*	NULL	NULL	NULL	NULL	NULL

Result Grid

Form Editor

Field Types

```
76
77 • select * from Students where cgpa>=9.0 and branch="CSE";
78
79 • select * from Students where state="Uttar Pradesh" or state="Madhya Pradesh";
80
81 • select * from Students where not state="Uttar Pradesh";
82
83 • select * from Students where name like "R%";
84
85 • select * from Students where name like "R%1";
86
87 • select * from Students where name not like "R%";
88
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

	sid	name	branch	state	cgpa
▶	102	Yogi	CSE	Madhya Pradesh	9.4
	103	Lalit	CSE	Rajasthan	9
	104	Vivek	CSE	Delhi	9.2
	105	Mahi	ECE	Uttar Pradesh	9.8
	106	Aryan	ECE	Bihar	9.5
*	NULL	NULL	NULL	NULL	NULL

Result
Grid

Form
Editor

5. Nested Queries :

```
88
89
90 • select * from Students where branch in
91 (select branch from Students where cgpa =
92 (select max(cgpa) from Students)
93 );
94
95
96
97
98
99
100
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

	sid	name	branch	state	cgpa
▶	105	Mahi	ECE	Uttar Pradesh	9.8
	106	Aryan	ECE	Bihar	9.5
*	NULL	NULL	NULL	NULL	NULL

Result Grid


Form Editor


Field Types


```
141 • select * from Deans where Deans.did in
142 ( select Colleges.did from Colleges where Colleges.cid=
143 ( select Branch.cid from Branch where Branch.bid=
144 ( select Bacche.bid from Bacche where cgpa=
145 ( select max(cgpa) from Bacche))) and state like "R%");
146
147
148
149
150
151
152
```

Result Grid |  Filter Rows: | Edit:    | Export/Import:   | Wrap Cell Content: 

	did	dean	salary	state
▶	6	Ramesh	10000000	Rajasthan
*	NULL	NULL	NULL	NULL


Result Grid


Form Editor


Field

BY GROUP :17

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Ritishek Yadav 18BCS079

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