

Navigator

SCHEMAS

Filter objects

- chinnu
 - Tables
 - course
 - student
 - Views
 - Stored Procedures
 - Functions
- chinndb

Administration Schemas

Information

Table: course

Columns:

	Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
PK	varchar(10)	varchar(100)	int	varchar(20)	varchar(100)

Object Info Session

SQL File 3*

Limit to 1000 rows

```

17   INSERT INTO Studentdata VALUES
18   ('1MS23CS001', 'Arjun Kumar', 'arjun@mail.com', '9845011223', 'CSE'),
19   ('1MS23CS002', 'Sneha Rao', 'sneha@mail.com', '9845022334', 'IT'),
20   ('1MS23CS003', 'Rahul Nair', 'rahul@mail.com', '9845033445', 'CSE'),
21   ('1MS23CS004', 'Priya Das', 'priya@mail.com', '9845044556', 'ECE'),
22   ('1MS23CS005', 'Amit Singh', 'amit@mail.com', '9845055667', 'IT');
23 •   INSERT INTO Coursedata VALUES
24   ('CS101', 'Database Management', 101, '1MS23CS001', 'prof_smith@vtu.edu'),
25   ('IS202', 'Data Structures', 102, '1MS23CS002', 'prof_jones@vtu.edu'),
26   ('CS103', 'Operating Systems', 101, '1MS23CS003', 'prof_smith@vtu.edu'),
27   ('EC301', 'Digital Electronics', 103, '1MS23CS004', 'prof_kumar@vtu.edu'),
28   ('IS204', 'Web Programming', 104, '1MS23CS005', 'prof_leila@vtu.edu');
29

```

Output

Action Output

#	Time	Action	Message
1	20:49:55	use chinnu	0 row(s) affected
2	20:50:01	CREATE TABLE Studentdata (VTU_Number VARCHAR(20) PRIMARY ...	0 row(s) affected
3	20:50:33	CREATE TABLE Coursedata (Course_Code VARCHAR(10) PRIMARY ...	0 row(s) affected
4	20:55:02	INSERT INTO Studentdata VALUES ('1MS23CS001', 'Arjun Kumar', 'arjun...', '9845011223', 'CSE')	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
5	20:57:22	INSERT INTO Coursedata VALUES ('CS101', 'Database Management', 101, '1MS23CS001', 'prof_smith@vtu.edu')	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0

Navigator

SCHEMAS

Filter objects

chinnu

- Tables
- Views
- Stored Procedures
- Functions

chinnudb

- Tables
- Views
- Stored Procedures
- Functions

sys

Administration Schemas

Information

No object selected

Object Info Session

SQL File 3* x

1 ● use chinnu;

2 ● CREATE TABLE Studentdata (

3 VTU_Number VARCHAR(20) PRIMARY KEY,

4 Name VARCHAR(100),

5 Email VARCHAR(100),

6 Phone VARCHAR(15),

7 Department VARCHAR(50)

8);

9 ● CREATE TABLE Coursedata (

10 Course_Code VARCHAR(10) PRIMARY KEY,

11 Course_Name VARCHAR(100),

12 Faculty_Id INT,

13 Student_ID VARCHAR(20),

14 Faculty_Email VARCHAR(100),

Output

Action Output

#	Time	Action	Message
1	20:49:55	use chinnu	0 row(s) affected
2	20:50:01	CREATE TABLE Studentdata (VTU_Number VARCHAR(20) PRIMARY KEY, Na...	0 row(s) affected
3	20:50:33	CREATE TABLE Coursedata (Course_Code VARCHAR(10) PRIMARY KEY, Cou...	0 row(s) affected

Navigator

SCHEMAS

Filter objects

- chinnu
 - Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Views
 - Stored Procedures
 - Functions
- chinnu
- chinnudb

Administration Schemas

Information

Table: course

Columns:

Course_Code	varchar(10) PK
Course_Name	varchar(100)
Faculty_Id	int
Student_ID	varchar(20)
Faculty_Email	varchar(100)

Object Info Session

SQL File 3* ×

Limit to 1000 rows

```

25 ('IS202', 'Data Structures', 102, '1MS23CS002', 'prof_jones@vtu.edu'),
26 ('CS103', 'Operating Systems', 101, '1MS23CS003', 'prof_smith@vtu.edu'),
27 ('EC301', 'Digital Electronics', 103, '1MS23CS004', 'prof_kumar@vtu.edu'),
28 ('IS204', 'Web Programming', 104, '1MS23CS005', 'prof_leila@vtu.edu');
29 • SELECT * FROM Student WHERE Department = 'CSE';
30 • SELECT * FROM Course ORDER BY Course_Name ASC;

```

Result Grid

Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
IS202	Data Structures	102	1MS23CS002	prof_jones@vtu.edu
CS101	Database Management	101	1MS23CS001	prof_smith@vtu.edu
EC301	Digital Electronics	103	1MS23CS004	prof_kumar@vtu.edu
CS103	Operating Systems	101	1MS23CS003	prof_smith@vtu.edu
IS204	Web Programming	104	1MS23CS005	prof_leila@vtu.edu

Course 2 ×

Action Output

#	Time	Action	Message
2	20:50:01	CREATE TABLE Studentdata (VTU_Number VARCHAR(20) PRIMA...	0 row(s) affected
3	20:50:33	CREATE TABLE Coursedata (Course_Code VARCHAR(10) PRIMAR...	0 row(s) affected
4	20:55:02	INSERT INTO Studentdata VALUES ('1MS23CS001', 'Arjun Kumar', 'ar...	5 row(s) affected Records: 5 Duplicates: 0 W...
5	20:57:22	INSERT INTO Coursedata VALUES ('CS101', 'Database Management', ...	5 row(s) affected Records: 5 Duplicates: 0 W...
6	20:59:06	SELECT * FROM Student WHERE Department = 'CSE' LIMIT 0, 1000	2 row(s) returned
7	21:02:21	SELECT * FROM Course ORDER BY Course_Name ASC LIMIT 0, 1000	5 row(s) returned

Navigator

SCHEMAS

Filter objects

chinnu

- Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions

chinnudb

Tables

Administration Schemas

Information

Table: course

Columns:

	Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
varchar(10) PK	Course_Code	varchar(100)		varchar(20)	varchar(100)
	Course_Name				
	Faculty_Id				
	Student_ID				
	Faculty_Email				

Object Info Session

SQL File 3* x

Limit to 1000 rows

```

24 ('CS101', 'Database Management', 101, '1MS23CS001', 'prof_smith@vtu.edu'),
25 ('IS202', 'Data Structures', 102, '1MS23CS002', 'prof_jones@vtu.edu'),
26 ('CS103', 'Operating Systems', 101, '1MS23CS003', 'prof_smith@vtu.edu'),
27 ('EC301', 'Digital Electronics', 103, '1MS23CS004', 'prof_kumar@vtu.edu'),
28 ('IS204', 'Web Programming', 104, '1MS23CS005', 'prof_leila@vtu.edu');
29 • SELECT * FROM Student WHERE Department = 'CSE';

```

Result Grid

	VTU_Number	Name	Email	Phone	Department
▶	1MS23CS001	Arjun Kumar	arjun@mail.com	9845011223	CSE
▶	1MS23CS003	Rahul Nair	rahul@mail.com	9845033445	CSE
*	NULL	NULL	NULL	NULL	NULL

Student 1 x

Output

Action Output

#	Time	Action	Message
1	20:49:55	use chinnu	0 row(s) affected
2	20:50:01	CREATE TABLE Studentdata (VTU_Number VARCHAR(20) PRIMARY KEY)	0 row(s) affected
3	20:50:33	CREATE TABLE Coursedata (Course_Code VARCHAR(10) PRIMARY KEY)	0 row(s) affected
4	20:55:02	INSERT INTO Studentdata VALUES ('1MS23CS001', 'Arjun Kumar', 'arju...')	5 row(s) affected Records: 5 Duplicates: 0
5	20:57:22	INSERT INTO Coursedata VALUES ('CS101', 'Database Management', 101, 'prof_smith@vtu.edu')	5 row(s) affected Records: 5 Duplicates: 0
6	20:59:06	SELECT * FROM Student WHERE Department = 'CSE' LIMIT 0, 1000	2 row(s) returned

Navigator

SCHEMAS

Filter objects

- chinnu**
 - Tables**
 - course**
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student**
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb**
 - Tables

Administration Schemas

Information

Table: course

Columns:

	Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
PK	varchar(10)	varchar(100)	int	varchar(20)	varchar(100)

Object Info Session

SQL File 3*

Limit to 1000 rows

```

27     ('EC301', 'Digital Electronics', 103, '1MS23CS004', 'prof_kumar@vtu.edu'),
28     ('IS204', 'Web Programming', 104, '1MS23CS005', 'prof_leila@vtu.edu');
29 •  SELECT * FROM Student WHERE Department = 'CSE';
30 •  SELECT * FROM Course ORDER BY Course_Name ASC;
31 •  SELECT Name, Email FROM Student WHERE Email LIKE '%@mail.com';
32 •  SELECT * FROM Student LIMIT 3;

```

Result Grid

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

	VTU_Number	Name	Email	Phone	Department
▶	1MS23CS001	Arjun Kumar	arjun@mail.com	9845011223	CSE
▶	1MS23CS002	Sneha Rao	sneha@mail.com	9845022334	IT
*	1MS23CS003	Rahul Nair	rahul@mail.com	9845033445	CSE
*	NULL	NULL	NULL	NULL	NULL

Student 4

Output

Action Output

#	Time	Action	Message
4	20:55:02	INSERT INTO Studentdata VALUES ('1MS23CS001', 'Arjun Kumar', 'arj...')	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
5	20:57:22	INSERT INTO Coursedata VALUES ('CS101', 'Database Management', ...)	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
6	20:59:06	SELECT * FROM Student WHERE Department = 'CSE' LIMIT 0, 1000	2 row(s) returned
7	21:02:21	SELECT * FROM Course ORDER BY Course_Name ASC LIMIT 0, 1000	5 row(s) returned
8	21:04:09	SELECT Name, Email FROM Student WHERE Email LIKE '%@mail.com'...	5 row(s) returned
9	21:05:32	SELECT * FROM Student LIMIT 3	3 row(s) returned

Navigator

SCHEMAS

Filter objects

- chinnu
 - Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

	Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
	varchar(10) PK	varchar(100)	int	varchar(20)	varchar(100)

Object Info Session

SQL File 3*

Limit to 1000 rows

```

26 ('CS103', 'Operating Systems', 101, '1MS23CS003', 'prof_smith@vtu.edu'),
27 ('EC301', 'Digital Electronics', 103, '1MS23CS004', 'prof_kumar@vtu.edu'),
28 ('IS204', 'Web Programming', 104, '1MS23CS005', 'prof_leila@vtu.edu');
29 • SELECT * FROM Student WHERE Department = 'CSE';
30 • SELECT * FROM Course ORDER BY Course_Name ASC;
31 • SELECT Name, Email FROM Student WHERE Email LIKE '%@mail.com';

```

Result Grid

Filter Rows: Export: Wrap Cell Content: Result Grid

Name	Email
Arjun Kumar	arjun@mail.com
Sneha Rao	sneha@mail.com
Rahul Nair	rahul@mail.com
Priya Das	priya@mail.com
Amit Singh	amit@mail.com

Student 3 × Read Only

Action Output

#	Time	Action	Message
3	20:50:33	CREATE TABLE Coursedata (Course_Code VARCHAR(10) PRIMAR...	0 row(s) affected
4	20:55:02	INSERT INTO Studentdata VALUES ('1MS23CS001', 'Arjun Kumar', 'arj...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
5	20:57:22	INSERT INTO Coursedata VALUES ('CS101', 'Database Management', ...)	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
6	20:59:06	SELECT * FROM Student WHERE Department = 'CSE' LIMIT 0, 1000	2 row(s) returned
7	21:02:21	SELECT * FROM Course ORDER BY Course_Name ASC LIMIT 0, 1000	5 row(s) returned
8	21:04:09	SELECT Name, Email FROM Student WHERE Email LIKE '%@mail.com'...	5 row(s) returned

Navigator

SCHEMAS

Filter objects

chinnu

- Tables**
- course**
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
- student**
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
- Views**
- Stored Procedures**
- Functions**

chinnudb

Administration Schemas

Information

Table: course

Columns:

	Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
	varchar(10) PK	varchar(100)	int	varchar(20)	varchar(100)

Object Info Session

SQL File 3*

Limit to 1000 rows

```

31 •   SELECT Name, Email FROM Student WHERE Email LIKE '%@mail.com';
32 •   SELECT * FROM Student LIMIT 3;
33 •   SELECT Department, COUNT(*) as Total_Students
34     FROM Student
35     GROUP BY Department
36     HAVING COUNT(*) > 1;
37

```

Result Grid

Department	Total_Students
CSE	2
IT	2

Result 5

Output

Action Output

#	Time	Action	Message
5	20:57:22	INSERT INTO Coursedata VALUES ('CS101', 'Database Management', ...)	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0
6	20:59:06	SELECT * FROM Student WHERE Department = 'CSE' LIMIT 0, 1000	2 row(s) returned
7	21:02:21	SELECT * FROM Course ORDER BY Course_Name ASC LIMIT 0, 1000	5 row(s) returned
8	21:04:09	SELECT Name, Email FROM Student WHERE Email LIKE '%@mail.com'...	5 row(s) returned
9	21:05:32	SELECT * FROM Student LIMIT 3	3 row(s) returned
10	21:06:56	SELECT Department, COUNT(*) as Total_Students FROM Student GR...	2 row(s) returned

Read Only

Navigator

SCHEMAS

Filter objects

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 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

	Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
Course_Code	varchar(10) PK				
Course_Name	varchar(100)				
Faculty_Id	int				
Student_ID	varchar(20)				
Faculty_Email	varchar(100)				

Object Info Session

SQL File 3* x

Limit to 1000 rows

```

33 •   SELECT Department, COUNT(*) as Total_Students
34     FROM Student
35     GROUP BY Department
36     HAVING COUNT(*) > 1;
37 •   SELECT * FROM Student;
38 •   SELECT * FROM Course;
  
```

Result Grid

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

	Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
▶	CS101	Database Management	101	1MS23CS001	prof_smith@vtu.edu
	CS103	Operating Systems	101	1MS23CS003	prof_smith@vtu.edu
	EC301	Digital Electronics	103	1MS23CS004	prof_kumar@vtu.edu
	IS202	Data Structures	102	1MS23CS002	prof_jones@vtu.edu
	IS204	Web Programming	104	1MS23CS005	prof_leila@vtu.edu

Course 7 x Apply Revert

Action Output

#	Time	Action	Message
7	21:02:21	SELECT * FROM Course ORDER BY Course_Name ASC LIMIT 0, 1000	5 row(s) returned
8	21:04:09	SELECT Name, Email FROM Student WHERE Email LIKE "%@mail.com..."	5 row(s) returned
9	21:05:32	SELECT * FROM Student LIMIT 3	3 row(s) returned
10	21:06:56	SELECT Department, COUNT(*) as Total_Students FROM Student GR...	2 row(s) returned
11	21:08:39	SELECT * FROM Student LIMIT 0, 1000	5 row(s) returned
12	21:15:10	SELECT * FROM Course LIMIT 0, 1000	5 row(s) returned

Navigator

SCHEMAS

Filter objects

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 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

	Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
PK	varchar(10)	varchar(100)	int	varchar(20)	varchar(100)

Object Info Session

SQL File 3* x

Limit to 1000 rows

```

32 •   SELECT * FROM Student LIMIT 3;
33 •   SELECT Department, COUNT(*) as Total_Students
34     FROM Student
35     GROUP BY Department
36     HAVING COUNT(*) > 1;
37 •   SELECT * FROM Student;
  
```

Result Grid

	VTU_Number	Name	Email	Phone	Department
▶	1MS23CS001	Arjun Kumar	arjun@mail.com	9845011223	CSE
	1MS23CS002	Sneha Rao	sneha@mail.com	9845022334	IT
	1MS23CS003	Rahul Nair	rahul@mail.com	9845033445	CSE
	1MS23CS004	Priya Das	priya@mail.com	9845044556	ECE
	1MS23CS005	Amit Singh	amit@mail.com	9845055667	IT

Student 6 x

Applv Revert

Action Output

#	Time	Action	Message
6	20:59:06	SELECT * FROM Student WHERE Department = 'CSE' LIMIT 0, 1000	2 row(s) returned
7	21:02:21	SELECT * FROM Course ORDER BY Course_Name ASC LIMIT 0, 1000	5 row(s) returned
8	21:04:09	SELECT Name, Email FROM Student WHERE Email LIKE "%@mail.com"...	5 row(s) returned
9	21:05:32	SELECT * FROM Student LIMIT 3	3 row(s) returned
10	21:06:56	SELECT Department, COUNT(*) as Total_Students FROM Student GR...	2 row(s) returned
11	21:08:39	SELECT * FROM Student LIMIT 0, 1000	5 row(s) returned

Result Grid

Navigator

SCHEMAS

Filter objects

- chinnu
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 - course
 - Columns
 - Indexes
 - Foreign Keys
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 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

	Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
varchar(10) PK	varchar(100)	int	varchar(20)	varchar(100)	

SQL File 3*

Limit to 1000 rows

```

34     FROM Student
35     GROUP BY Department
36     HAVING COUNT(*) > 1;
37 •   SELECT * FROM Student;
38 •   SELECT * FROM Course;
39 •   SELECT COUNT(*) AS Total_Students FROM Student;
40

```

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

Total_Students
5

Result 8*

Output

Action Output

#	Time	Action	Message
8	21:04:09	SELECT Name, Email FROM Student WHERE Email LIKE '%@mail.com'...	5 row(s) returned
9	21:05:32	SELECT * FROM Student LIMIT 3	3 row(s) returned
10	21:06:56	SELECT Department, COUNT(*) as Total_Students FROM Student GR...	2 row(s) returned
11	21:08:39	SELECT * FROM Student LIMIT 0, 1000	5 row(s) returned
12	21:15:10	SELECT * FROM Course LIMIT 0, 1000	5 row(s) returned
13	21:20:26	SELECT COUNT(*) AS Total_Students FROM Student LIMIT 0, 1000	1 row(s) returned

Navigator

SCHEMAS

Filter objects

- chinnu
 - Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

	Course_Code	varchar(10) PK
Course_Name	varchar(100)	
Faculty_Id	int	
Student_ID	varchar(20)	
Faculty_Email	varchar(100)	

Object Info Session

SQL File 3* x

Limit to 1000 rows

```

36      HAVING COUNT(*) > 1;
37 •   SELECT * FROM Student;
38 •   SELECT * FROM Course;
39 •   SELECT COUNT(*) AS Total_Students FROM Student;
40 •   SELECT COUNT(DISTINCT Department) AS Department_Count FROM Student;
41 •   SELECT MAX(Faculty_Id) AS Highest_Faculty_ID FROM Course;
42
  
```

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

Highest_Faculty_ID
104

Result 10 x

Output

Action Output

#	Time	Action	Message
10	21:06:56	SELECT Department, COUNT(*) as Total_Students FROM Student GR...	2 row(s) returned
11	21:08:39	SELECT * FROM Student LIMIT 0, 1000	5 row(s) returned
12	21:15:10	SELECT * FROM Course LIMIT 0, 1000	5 row(s) returned
13	21:20:26	SELECT COUNT(*) AS Total_Students FROM Student LIMIT 0, 1000	1 row(s) returned
14	21:23:39	SELECT COUNT(DISTINCT Department) AS Department_Count FROM ...	1 row(s) returned
15	21:24:29	SELECT MAX(Faculty_Id) AS Highest_Faculty_ID FROM Course LIMIT ...	1 row(s) returned

Read Only

Navigator

SCHEMAS

- Filter objects
- chinnu
 - Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

Course_Code	varchar(10) PK	
Course_Name	varchar(100)	
Faculty_Id	int	
Student_ID	varchar(20)	
Faculty_Email	varchar(100)	

Object Info Session

SQL File 3

35 GROUP BY Department
 36 HAVING COUNT(*) > 1;
 37 • SELECT * FROM Student;
 38 • SELECT * FROM Course;
 39 • SELECT COUNT(*) AS Total_Students FROM Student;
 40 • SELECT COUNT(DISTINCT Department) AS Department_Count FROM Student;

41

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

Department_Count
3

Result 9

Output

Action Output

#	Time	Action	Message
9	21:05:32	SELECT * FROM Student LIMIT 3	3 row(s) returned
10	21:06:56	SELECT Department, COUNT(*) as Total_Students FROM Student GR...	2 row(s) returned
11	21:08:39	SELECT * FROM Student LIMIT 0, 1000	5 row(s) returned
12	21:15:10	SELECT * FROM Course LIMIT 0, 1000	5 row(s) returned
13	21:20:26	SELECT COUNT(*) AS Total_Students FROM Student LIMIT 0, 1000	1 row(s) returned
14	21:23:39	SELECT COUNT(DISTINCT Department) AS Department_Count FROM ...	1 row(s) returned

Read Only

Navigator

SCHEMAS

Filter objects

- chinnu
 - Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

Course_Code	varchar(10) PK
Course_Name	varchar(100)
Faculty_Id	int
Student_ID	varchar(20)
Faculty_Email	varchar(100)

Object Info Session

SQL File 3*

Limit to 1000 rows

```

38 •   SELECT * FROM Course;
39 •   SELECT COUNT(*) AS Total_Students FROM Student;
40 •   SELECT COUNT(DISTINCT Department) AS Department_Count FROM Student;
41 •   SELECT MAX(Faculty_Id) AS Highest_Faculty_ID FROM Course;
42 •   SELECT * FROM Student
43     ORDER BY VTU_Number ASC;
44

```

Result Grid

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

VTU_Number	Name	Email	Phone	Department
1MS23CS001	Arjun Kumar	arjun@mail.com	9845011223	CSE
1MS23CS002	Sneha Rao	sneha@mail.com	9845022334	IT
1MS23CS003	Rahul Nair	rahul@mail.com	9845033445	CSE
1MS23CS004	Priya Das	priya@mail.com	9845044556	ECE
1MS23CS005	Amit Singh	amit@mail.com	9845055667	IT

Student 11

Output

Action Output

#	Time	Action	Message
11	21:08:39	SELECT * FROM Student LIMIT 0, 1000	5 row(s) returned
12	21:15:10	SELECT * FROM Course LIMIT 0, 1000	5 row(s) returned
13	21:20:26	SELECT COUNT(*) AS Total_Students FROM Student LIMIT 0, 1000	1 row(s) returned
14	21:23:39	SELECT COUNT(DISTINCT Department) AS Department_Count FROM ...	1 row(s) returned
15	21:24:29	SELECT MAX(Faculty_Id) AS Highest_Faculty_ID FROM Course LIMIT ...	1 row(s) returned
16	21:25:26	SELECT * FROM Student ORDER BY VTU_Number ASC LIMIT 0, 1000	5 row(s) returned

Context H

Navigator

CHEMOS

Filter objects

chinnu

- Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions

chinndub

Tables

Schemas

Student 13

Action Output

#	Time	Action	Message
13	21:20:26	SELECT COUNT(*) AS Total_Students FROM Student LIMIT 0, 1000	1 row(s) returned
14	21:23:39	SELECT COUNT(DISTINCT Department) AS Department_Count FROM ...	1 row(s) returned
15	21:24:29	SELECT MAX(Faculty_Id) AS Highest_Faculty_ID FROM Course LIMIT ...	1 row(s) returned
16	21:25:26	SELECT * FROM Student ORDER BY VTU_Number ASC LIMIT 0, 1000	5 row(s) returned
17	21:26:18	SELECT * FROM Student ORDER BY VTU_Number DESC LIMIT 0, 10...	5 row(s) returned
18	21:27:17	SELECT * FROM Student WHERE Department = 'CSE' LIMIT 0, 1000	2 row(s) returned

Object Info Session

SQL File 3*

```

42 •   SELECT * FROM Student
43     ORDER BY VTU_Number ASC;
44 •   SELECT * FROM Student
45     ORDER BY VTU_Number DESC;
46 •   SELECT * FROM Student
47     WHERE Department = 'CSE';
48

```

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

VTU_Number	Name	Email	Phone	Department
1MS23CS001	Arjun Kumar	arjun@mail.com	9845011223	CSE
1MS23CS003	Rahul Nair	rahul@mail.com	9845033445	CSE
HULL	HULL	HULL	HULL	HULL

Navigator

SCHEMAS

Filter objects

- chinnu
 - Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

	Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
	varchar(10) PK	varchar(100)	int	varchar(20)	varchar(100)

Object Info Session

SQL File 3*

Limit to 1000 rows

```

40 •   SELECT COUNT(DISTINCT Department) AS Department_Count FROM Student;
41 •   SELECT MAX(Faculty_Id) AS Highest_Faculty_ID FROM Course;
42 •   SELECT * FROM Student
43     ORDER BY VTU_Number ASC;
44 •   SELECT * FROM Student
45     ORDER BY VTU_Number DESC;
46

```

Result Grid

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

	VTU_Number	Name	Email	Phone	Department
▶	1MS23CS005	Amit Singh	amit@mail.com	9845055667	IT
▶	1MS23CS004	Priya Das	priya@mail.com	9845044556	ECE
▶	1MS23CS003	Rahul Nair	rahul@mail.com	9845033445	CSE
▶	1MS23CS002	Sneha Rao	sneha@mail.com	9845022334	IT
▶	1MS23CS001	Arjun Kumar	arjun@mail.com	9845011223	CSE

Student 12

Output

Action Output

#	Time	Action	Message
12	21:15:10	SELECT * FROM Course LIMIT 0, 1000	5 row(s) returned
13	21:20:26	SELECT COUNT(*) AS Total_Students FROM Student LIMIT 0, 1000	1 row(s) returned
14	21:23:39	SELECT COUNT(DISTINCT Department) AS Department_Count FROM ...	1 row(s) returned
15	21:24:29	SELECT MAX(Faculty_Id) AS Highest_Faculty_ID FROM Course LIMIT ...	1 row(s) returned
16	21:25:26	SELECT * FROM Student ORDER BY VTU_Number ASC LIMIT 0, 1000	5 row(s) returned
17	21:26:18	SELECT * FROM Student ORDER BY VTU_Number DESC LIMIT 0, 10...	5 row(s) returned

Navigator

SCHEMAS

Filter objects

- chinnu
 - Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration **Schemas**

Information

Table: course

Columns:

Course_Code	varchar(10) PK	
Course_Name	varchar(100)	
Faculty_Id	int	
Student_ID	varchar(20)	
Faculty_Email	varchar(100)	

Object Info Session

SQL File 3

Limit to 1000 rows

```

55     INNER JOIN Course c ON s.VTU_Number = c.Student_ID;
56 •   SELECT
57       s.VTU_Number,
58       s.Name,
59       c.Course_Name
60   FROM Student s
61   LEFT JOIN Course c ON s.VTU_Number = c.Student_ID;
  
```

Result Grid

	VTU_Number	Name	Course_Name
▶	1MS23CS001	Arjun Kumar	Database Management
▶	1MS23CS002	Sneha Rao	Data Structures
▶	1MS23CS003	Rahul Nair	Operating Systems
▶	1MS23CS004	Priya Das	Digital Electronics
▶	1MS23CS005	Amit Singh	Web Programming

Result 15

Read Only

Output

Action Output

#	Time	Action	Message
✓	17 21:26:18	SELECT * FROM Student ORDER BY VTU_Number DESC LIMIT 0, 10...	5 row(s) returned
✓	18 21:27:17	SELECT * FROM Student WHERE Department = 'CSE' LIMIT 0, 1000	2 row(s) returned
✓	19 21:28:31	SELECT s.VTU_Number, s.Name AS Student_Name, c.Course...	5 row(s) returned
✓	20 21:30:13	SELECT s.VTU_Number, s.Name, c.Course_Name FROM Stu...	5 row(s) returned

Context H

Navigator

SCHEMAS

Filter objects

- chinnu
 - Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

Course_Code	varchar(10) PK
Course_Name	varchar(100)
Faculty_Id	int
Student_ID	varchar(20)
Faculty_Email	varchar(100)

Object Info Session

SQL File 3*

48 • **SELECT**

```

49     s.VTU_Number,
50     s.Name AS Student_Name,
51     c.Course_Name,
52     c.Faculty_Id,
53     c.Faculty_Email
54 FROM Student s

```

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

VTU_Number	Student_Name	Course_Name	Faculty_Id	Faculty_Email
1MS23CS001	Arjun Kumar	Database Management	101	prof_smith@vtu.edu
1MS23CS002	Sneha Rao	Data Structures	102	prof_jones@vtu.edu
1MS23CS003	Rahul Nair	Operating Systems	101	prof_smith@vtu.edu
1MS23CS004	Priya Das	Digital Electronics	103	prof_kumar@vtu.edu
1MS23CS005	Amit Singh	Web Programming	104	prof_leila@vtu.edu

Result 14 × Read Only

Output

Action Output

#	Time	Action	Message
14	21:23:39	SELECT COUNT(DISTINCT Department) AS Department_Count FROM ...	1 row(s) returned
15	21:24:29	SELECT MAX(Faculty_Id) AS Highest_Faculty_ID FROM Course LIMIT ...	1 row(s) returned
16	21:25:26	SELECT * FROM Student ORDER BY VTU_Number ASC LIMIT 0, 1000	5 row(s) returned
17	21:26:18	SELECT * FROM Student ORDER BY VTU_Number DESC LIMIT 0, 10...	5 row(s) returned
18	21:27:17	SELECT * FROM Student WHERE Department = 'CS' LIMIT 0, 1000	2 row(s) returned

Navigator

SCHEMAS

Filter objects

- chinnu
 - Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

	Course_Code	varchar(10) PK
Course_Name	varchar(100)	
Faculty_Id	int	
Student_ID	varchar(20)	
Faculty_Email	varchar(100)	

Object Info Session

SQL File 3* x

Limit to 1000 rows

```

64      c.Course_Code,
65      c.Course_Name
66  FROM Student s
67  RIGHT JOIN Course c ON s.VTU_Number = c.Student_ID;
68 •  SELECT s.Name, c.Course_Name FROM Student s
69  LEFT JOIN Course c ON s.VTU_Number = c.Student_ID
70
71

```

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

Name	Course_Name
Arjun Kumar	Database Management
Sneha Rao	Data Structures
Rahul Nair	Operating Systems
Priya Das	Digital Electronics
Amit Singh	Web Programming

Result 17 x Read Only

Output

Action Output

#	Time	Action	Message
19	21:28:31	SELECT s.VTU_Number, s.Name AS Student_Name, c.Course...	5 row(s) returned
20	21:30:13	SELECT s.VTU_Number, s.Name, c.Course_Name FROM Stu...	5 row(s) returned
21	21:31:12	SELECT s.Name, c.Course_Code, c.Course_Name FROM Stu...	5 row(s) returned
22	21:32:12	SELECT s.Name, c.Course_Name FROM Student s LEFT JOIN Course ...	5 row(s) returned

Navigator

SCHEMAS

Filter objects

- chinnu
 - Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

Course_Code	varchar(10) PK	
Course_Name	varchar(100)	
Faculty_Id	int	
Student_ID	varchar(20)	
Faculty_Email	varchar(100)	

Object Info Session

SQL File 3*

Limit to 1000 rows

```

61     LEFT JOIN Course c ON s.VTU_Number = c.Student_ID;
62 •   SELECT
63       s.Name,
64       c.Course_Code,
65       c.Course_Name
66   FROM Student s
67   RIGHT JOIN Course c ON s.VTU_Number = c.Student_ID;
68

```

Result Grid

	Name	Course_Code	Course_Name
▶	Arjun Kumar	CS101	Database Management
	Rahul Nair	CS103	Operating Systems
	Priya Das	EC301	Digital Electronics
	Sneha Rao	IS202	Data Structures
	Amit Singh	IS204	Web Programming

Result 16*

Output

Action Output

#	Time	Action	Message
18	21:27:17	SELECT * FROM Student WHERE Department = 'CSE' LIMIT 0, 1000	2 row(s) returned
19	21:28:31	SELECT s.VTU_Number, s.Name AS Student_Name, c.Course...	5 row(s) returned
20	21:30:13	SELECT s.VTU_Number, s.Name, c.Course_Name FROM Stu...	5 row(s) returned
21	21:31:12	SELECT s.Name, c.Course_Code, c.Course_Name FROM Stu...	5 row(s) returned

Navigator

SCHEMAS

Filter objects

chinnu

Tables

course

- ▶ Columns
 - ▶ Indexes
 - ▶ Foreign Keys
 - ▶ Triggers
- ◀ student

 - ▶ Columns
 - ▶ Indexes
 - ▶ Foreign Keys
 - ▶ Triggers

Views

Stored Procedures

Functions

chinnudb
Tables

Administration Schemas

Information

Table: course

Columns:

Course_Code	varchar(10) PK
Course_Name	varchar(100)
Faculty_Id	int
Student_ID	varchar(20)
Faculty_Email	varchar(100)

Object Info Session

SQL File 3* x

```

70    UNION
71    SELECT s.Name, c.Course_Name FROM Student s
72    RIGHT JOIN Course c ON s.VTU_Number = c.Student_ID;
73 •  SELECT s.Name, c.Course_Name
74    FROM Student s
75    CROSS JOIN Course c;
76
77

```

Result Grid

	Name	Course_Name
▶	Amit Singh	Database Management
	Priya Das	Database Management
	Rahul Nair	Database Management
	Sneha Rao	Database Management
	Arjun Kumar	Database Management
	Amit Singh	Operating Systems

Result 19 x

Read Only

Output

Action Output

#	Time	Action	Message
✓	21:31:12	SELECT s.Name, c.Course_Code, c.Course_Name FROM Stu...	5 row(s) returned
✓	21:32:12	SELECT s.Name, c.Course_Name FROM Student s LEFT JOIN Course ...	5 row(s) returned
✓	21:34:19	SELECT s.Name, c.Course_Name FROM Student s LEFT JOIN Course ...	5 row(s) returned
✓	21:35:20	SELECT s.Name, c.Course_Name FROM Student s CROSS JOIN Cours...	25 row(s) returned

Navigator

SCHEMAS

- Filter objects
- chinnu
 - Tables
 - course
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - student
 - Columns
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
- chinnudb
 - Tables

Administration Schemas

Information

Table: course

Columns:

	Course_Code	Course_Name	Faculty_Id	Student_ID	Faculty_Email
	varchar(10) PK	varchar(100)	int	varchar(20)	varchar(100)

Object Info Session

SQL File 3

```

66   FROM Student s
67   RIGHT JOIN Course c ON s.VTU_Number = c.Student_ID;
68 •   SELECT s.Name, c.Course_Name FROM Student s
69   LEFT JOIN Course c ON s.VTU_Number = c.Student_ID
70 UNION
71   SELECT s.Name, c.Course_Name FROM Student s
72   RIGHT JOIN Course c ON s.VTU_Number = c.Student_ID;
73
  
```

Result Grid

Name	Course_Name
Arjun Kumar	Database Management
Sneha Rao	Data Structures
Rahul Nair	Operating Systems
Priya Das	Digital Electronics
Amit Singh	Web Programming

Result 18

Output

#	Time	Action	Message
✓ 20	21:30:13	SELECT s.VTU_Number, s.Name, c.Course_Name FROM Stu...	5 row(s) returned
✓ 21	21:31:12	SELECT s.Name, c.Course_Code, c.Course_Name FROM Stu...	5 row(s) returned
✓ 22	21:32:12	SELECT s.Name, c.Course_Name FROM Student s LEFT JOIN Course ...	5 row(s) returned
✓ 23	21:34:19	SELECT s.Name, c.Course_Name FROM Student s LEFT JOIN Course ...	5 row(s) returned

Read Only