SELECT \* FROM Bootcamp.students;

ALTER TABLE Bootcamp.students ADD email VARCHAR(50) NOT NULL;

1 Rajeev Shah 10 HR rs@gmail.com

2 Jhonny Jamba 15 HR jja@gmail.com

3 Atomic Alex 12 Accounting ap@gmail.com

4 Willie Nelly 13 Accounting bs@hotmail.com

5 Alan Watts 25 Science aw@gmail.com

6 Allie Wong 29 Science awo@gmail.com

7 Rajesh Rathod 30 CS rr@hotmail.com

8 Farzhan Rooparvhar 35 CS fr@gmail.com

9 Eddie Bravo 40 CS eb@hotmail.com

10 Cindy Withford 14 English cw@gmail.com

11 Sarah Hughes 34 English sh@hotmail.com

12 Jimi John 45 HR jj@gmail.com

13 Janet Synder 17 HR js@gmail.com

14 Jaylen Brown 16 Sports jb@hotmail.com

15 Jada Johnson 15 Sports [jj@gmail.com](mailto:jj@gmail.com)

ALTER TABLE Bootcamp.students ADD address VARCHAR(50) NOT NULL;

1 Rajeev Shah 10 HR rs@hotmail.com

2 Jhonny Jamba 15 HR jja@gmail.com

3 Atomic Alex 12 Accounting ap@gmail.com

4 Willie Nelly 13 Accounting bs@hotmail.com

5 Alan Watts 25 Science aw@gmail.com

6 Allie Wong 29 Science awo@gmail.com

7 Rajesh Rathod 30 CS rr@hotmail.com

8 Farzhan Rooparvhar 35 CS fr@gmail.com

9 Eddie Bravo 40 CS eb@hotmail.com

10 Cindy Withford 14 English cw@gmail.com

11 Sarah Hughes 34 English sh@hotmail.com

12 Jimi John 45 HR jj@gmail.com

13 Janet Synder 17 HR js@gmail.com

14 Jaylen Brown 16 Sports jb@hotmail.com

15 Jada Johnson 15 Sports jj@gmail.com

ALTER TABLE Bootcamp.students DROP COLUMN address;

1 Rajeev Shah 10 HR rs@hotmail.com

2 Jhonny Jamba 15 HR jja@gmail.com

3 Atomic Alex 12 Accounting ap@gmail.com

4 Willie Nelly 13 Accounting bs@hotmail.com

5 Alan Watts 25 Science aw@gmail.com

6 Allie Wong 29 Science awo@gmail.com

7 Rajesh Rathod 30 CS rr@hotmail.com

8 Farzhan Rooparvhar 35 CS fr@gmail.com

9 Eddie Bravo 40 CS eb@hotmail.com

10 Cindy Withford 14 English cw@gmail.com

11 Sarah Hughes 34 English sh@hotmail.com

12 Jimi John 45 HR jj@gmail.com

13 Janet Synder 17 HR js@gmail.com

14 Jaylen Brown 16 Sports jb@hotmail.com

15 Jada Johnson 15 Sports [jj@gmail.com](mailto:jj@gmail.com)

UPDATE Bootcamp.students SET firstname='Rajeev', lastname='Shah' WHERE id=1;

UPDATE Bootcamp.students SET firstname='Jhonny', lastname='Jamba' WHERE id=2;

UPDATE Bootcamp.students SET firstname='Atomic', lastname='Alex' WHERE id=3;

UPDATE Bootcamp.students SET firstname='Willie', lastname='Nelly' WHERE id=4;

1 Rajeev Shah 10 HR rs@hotmail.com

2 Jhonny Jamba 15 HR jja@gmail.com

3 Atomic Alex 12 Accounting ap@gmail.com

4 Willie Nelly 13 Accounting bs@hotmail.com

5 Alan Watts 25 Science aw@gmail.com

6 Allie Wong 29 Science awo@gmail.com

7 Rajesh Rathod 30 CS rr@hotmail.com

8 Farzhan Rooparvhar 35 CS fr@gmail.com

9 Eddie Bravo 40 CS eb@hotmail.com

10 Cindy Withford 14 English cw@gmail.com

11 Sarah Hughes 34 English sh@hotmail.com

12 Jimi John 45 HR jj@gmail.com

13 Janet Synder 17 HR js@gmail.com

14 Jaylen Brown 16 Sports jb@hotmail.com

15 Jada Johnson 15 Sports [jj@gmail.com](mailto:jj@gmail.com)

DELETE FROM Bootcamp.students WHERE age > 18;

SELECT \* FROM Bootcamp.students;

1 Rajeev Shah 10 HR rs@gmail.com

2 Jhonny Jamba 15 HR jja@hotmail.com

3 Atomic Alex 12 Accounting ap@gmail.com

4 Willie Nelly 13 Accounting bs@hotmail.com

10 Cindy Withford 14 English cw@gmail.com

13 Janet Synder 17 HR js@gmail.com

14 Jaylen Brown 16 Sports jb@hotmail.com

15 Jada Johnson 15 Sports [jj@gmail.com](mailto:jj@gmail.com)

SELECT COUNT(age) from Bootcamp.students;

# COUNT(age)

'8'

SELECT SUM(age) FROM Bootcamp.students;

# SUM(age)

'112'

SELECT MIN(age) FROM Bootcamp.students;

# MIN(age)

'10'

SELECT MAX(age) FROM Bootcamp.students;

# MAX(age)

'17'

SELECT \* FROM Bootcamp.students WHERE age = 13;

# id firstname lastname age department email

4 Willie Nelly 13 Accounting [bs@hotmail.com](mailto:bs@hotmail.com)

SELECT COUNT(age) FROM Bootcamp.students GROUP BY department HAVING COUNT(age) < # COUNT(age)

3

2

1

2

SELECT firstname, lastname FROM Bootcamp.students ORDER BY lastname;

# firstname lastname

Atomic Alex

Jaylen Brown

Jhonny Jamba

Jada Johnson

Willie Nelly

Rajeev Shah

Janet Synder

Cindy Withford

SELECT \* FROM Bootcamp.students WHERE lastname = "Jamba" AND age="18";

# id firstname lastname age department email

2 Jhonny Jamba 15 HR [jj@hotmail.com](mailto:jj@hotmail.com)

SELECT \* FROM Bootcamp.students WHERE lastname = "Jamba" OR age="16";

# id firstname lastname age department email

2 Jhonny Jamba 15 HR jja@hotmail.com

14 Jaylen Brown 16 Sports [jb@hotmail.com](mailto:jb@hotmail.com)

AND Operators returns rows if both of the condition is true whereas OR operator returns rows if one of the condition is true.

SELECT \* FROM Bootcamp.students WHERE age BETWEEN 10 AND 15;

# id firstname lastname age department email

1 Rajeev Shah 10 HR rs@gmail.com

2 Jhonny Jamba 15 HR jja@hotmail.com

3 Atomic Alex 12 Accounting ap@gmail.com

4 Willie Nelly 13 Accounting bs@hotmail.com

10 Cindy Withford 14 English cw@gmail.com

15 Jada Johnson 15 Sports [jj@gmail.com](mailto:jj@gmail.com)

SELECT \* FROM Bootcamp.students WHERE lastname LIKE 'J%';

# id firstname lastname age department email

2 Jhonny Jamba 15 HR jja@gmail.com

15 Jada Johnson 15 Sports jj@gmail.com

SELECT \* FROM Bootcamp.students WHERE department IN('HR', 'Sports');

# id firstname lastname age department email

1 Rajeev Shah 10 HR rs@gmail.com

2 Jhonny Jamba 15 HR jj@hotmail.com

13 Janet Synder 17 HR js@gmail.com

14 Jaylen Brown 16 Sports jb@hotmail.com

15 Jada Johnson 15 Sports [jj@gmail.com](mailto:jj@gmail.com)

SELECT \* FROM Bootcamp.students WHERE department NOT IN('HR', 'Accounting');

# id firstname lastname age department email

10 Cindy Withford 14 English cw@gmail.com

14 Jaylen Brown 16 Sports jb@hotmail.com

15 Jada Johnson 15 Sports jj@gmail.com