**Test 2**

**[Total Marks: 100]**

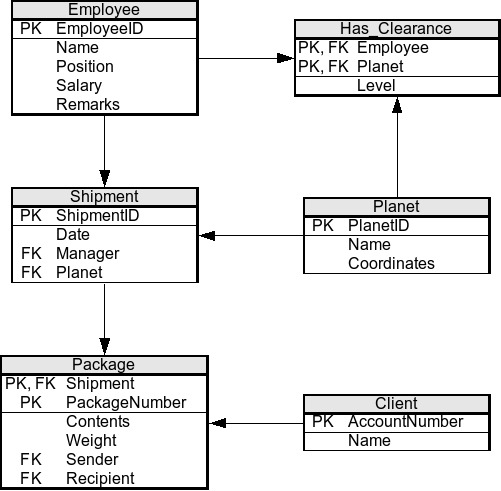
|  |  |
| --- | --- |
| **Instructor:** | Pritesh Patel |
| **Class:** | 2018W\_CSD 2204\_10  Database Design and SQL |
| **Time:** | 2 Hours |
| **Evaluation:** | 15% |

* Students are NOT allowed to possess any unauthorized aids on their desks, or in their pockets, including electronic devices of ANY kind, unless otherwise stated. This includes CELL PHONES, iPod and CALCULATORS.
* Turned off cell phones, laptops and other unauthorized items, purses and wallets should be stored inside the candidate’s bag and closed securely. All bags and study materials (notes and books) should be placed on front side of class.
* Candidates are not allowed to reach into the bags and pocket or any of their study materials until the exam is over.
* Candidates must not communicate with one another in any manner whatsoever during the examination.
* Candidates may not leave the examination room unescorted for any reason, including visiting the washroom.
* Candidates are expected to show consideration for others in the exam room and to refrain from causing any type of disturbance which could interfere with the ability of fellow students to concentrate and this may cause your cancellation of exam paper.
* Candidates are not allowed to enter the exam after 30 minutes of exam commencement and not allowed to leave the exam before 10 minutes of the exam.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **Date:** | **22 Jan 2018, Monday** | | **Student Name:** | **Charmi mehta** | | **Student Number:** | **C0713149** | |

**Note:**

1. Fill your details on 1st page.
2. Rename this file as **CollegeID\_FirstName\_CSD2204\_Test2.docx**.
3. Also create a log file of your MySQL command prompt content using **“tee”** command into file named as **test2\_log.sql**
4. Upload it on Moodle for submission.

****

**Execute the following Queries:**

|  |  |  |
| --- | --- | --- |
| **Sr. #** | **Query text** | **Marks** |
| 1) | Use the given Test2.sql file for creating table and data in your database. | **[10]** |
|  | SHOW TABLES; |  |
| 2) | Create a view “v2” to display employees whose name is "Turanga Leela" along with its shipment details. | **[10]** |
| **Query** | create view v2 as select employee.name, shipment.ShipmentID , shipment.shipmentDate, shipment.manager, shipment.planet from shipment inner join employee on shipment.Manager= employee.EmployeeID where employee.name="Turanga Leela"; |  |
| **Result** |  |  |
|  |  |  |
| 3) | Create a view “v3” to list those packages which are intended for client whose ids are 1,5 or 6. | **[10]** |
| **Query** | create view v3 as select client.AccountNumber, client.name, package.PackageNumber from package inner join client on package.recipient = client.AccountNumber where package.recipient IN(1,5,6); |  |
| **Result** |  |  |
|  |  |  |
| 4) | Create a view “v4” to display name of employee and plant which are cleared. | **[10]** |
| **Query** | create view v4 as select employee.name AS EMPLOYEE\_NAME, planet.name as PLANT\_NAME from has\_clearance INNER JOIN planet on has\_clearance.planet= planet.planetid INNER JOIN EMPLOYEE ON has\_clearance.employee=employee.employeeid; |  |
| **Result** |  |  |
|  |  |  |
| 5) | Create a view “v5” to display details of shipment date (Month, Day YYYY), sender and receiver name whose package weight is between 5 and 10. | **[10]** |
| **Query** | Create view v5 as SELECT SHIPMENT.SHIPMENTDATE, CLIENT.NAME AS SENDER , CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID INNER JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10; |  |
| **Result** |  |  |
|  |  |  |
| 6) | Create a view “v6” to display details of those shipments which are currently in process at plant name "Mars" or "Decapod X". | **[10]** |
| **Query** | create view v6 as select planet.name , shipment.shipmentid, shipment.shipmentdate from shipment inner join planet on shipment.planet= planet.planetid where planet.name IN ( "Decapod X","MARS"); |  |
| **Result** |  |  |
|  |  |  |
| 7) | Create a view “v7” to list client names whose packages are "Undeclared". | **[10]** |
| **Query** | create view v7 as select client.name from client inner join package on client.AccountNumber=package.sender where package.contents="Undeclared" group by client.name; |  |
| **Result** |  |  |
|  |  |  |
| 8) | Create a view “v8” to display name of recipient who has undeclared package contents which is processed by employee “Hermes Conrad”. | **[10]** |
| **Query** | create view v8 as select client.name from package inner join client on package.recipient=client.accountnumber inner join shipment on package.shipment=shipment.shipmentid inner join employee on shipment.manager=employee.employeeid where employee.name="Hermes Conrad"; |  |
| **Result** |  |  |
|  |  |  |
| 9) | Create a view “v9” to display the name of manager who is having any shipment from planet “Omega III” | **[10]** |
| **Query** | create view v9 as select employee.name from shipment inner join planet on shipment.planet=planet.planetid inner join employee on shipment.manager=employee.employeeid where planet.name="Omega III"; |  |
| **Result** |  |  |
|  |  |  |
| 10) | Update shipment date to current date if having NULL value. | **[10]** |
| **Query** | update shipment set shipmentdate= curdate() where shipmentdate is null; |  |
| **Result** |  |  |

**LOG**

MariaDB [(none)]> create database we2018;

Query OK, 1 row affected (0.08 sec)

MariaDB [(none)]> use we2018;

Database changed

MariaDB [we2018]> CREATE TABLE Employee ( EmployeeID INTEGER PRIMARY KEY, Name VARCHAR(255) NOT NULL, Position VARCHAR(255) NOT NULL, Salary REAL NOT NULL, Remarks VARCHAR(255)); CREATE TABLE Planet ( PlanetID INTEGER PRIMARY KEY, Name VARCHAR(255) NOT NULL, Coordinates REAL NOT NULL); CREATE TABLE Shipment ( ShipmentID INTEGER PRIMARY KEY, ShipmentDate DATE, Manager INTEGER NOT NULL, Planet INTEGER NOT NULL, FOREIGN KEY (Manager) REFERENCES Employee(EmployeeID), FOREIGN KEY (Planet) REFERENCES Planet(PlanetID));CREATE TABLE Has\_Clearance ( Employee INTEGER NOT NULL, Planet INTEGER NOT NULL, Level INTEGER NOT NULL, PRIMARY KEY(Employee, Planet), FOREIGN KEY (Employee) REFERENCES Employee(EmployeeID), FOREIGN KEY (Planet) REFERENCES Planet(PlanetID)); CREATE TABLE Client ( AccountNumber INTEGER PRIMARY KEY, Name VARCHAR(255) NOT NULL); CREATE TABLE Package ( Shipment INTEGER NOT NULL, PackageNumber INTEGER NOT NULL, Contents VARCHAR(255) NOT NULL, Weight REAL NOT NULL, Sender INTEGER NOT NULL, Recipient INTEGER NOT NULL, PRIMARY KEY(Shipment, PackageNumber), FOREIGN KEY (Shipment) REFERENCES Shipment(ShipmentID), FOREIGN KEY (Sender) REFERENCES Client(AccountNumber), FOREIGN KEY (Recipient) REFERENCES Client(AccountNumber));INSERT INTO Client VALUES(1, 'Zapp Brannigan');INSERT INTO Client VALUES(2, "Al Gore's Head");INSERT INTO Client VALUES(3, 'Barbados Slim');INSERT INTO Client VALUES(4, 'Ogden Wernstrom');INSERT INTO Client VALUES(5, 'Leo Wong');INSERT INTO Client VALUES(6, 'Lrrr');INSERT INTO Client VALUES(7, 'John Zoidberg');INSERT INTO Client VALUES(8, 'John Zoidfarb');INSERT INTO Client VALUES(9, 'Morbo');INSERT INTO Client VALUES(10, 'Judge John Whitey');INSERT INTO Client VALUES(11, 'Calculon');INSERT INTO Employee VALUES(1, 'Phillip J. Fry', 'Delivery boy', 7500.0, 'Not to be confused with the Philip J. Fry from Hovering Squid World 97a');INSERT INTO Employee VALUES(2, 'Turanga Leela', 'Captain', 10000.0, NULL);INSERT INTO Employee VALUES(3, 'Bender Bending Rodriguez', 'Robot', 7500.0, NULL);INSERT INTO Employee VALUES(4, 'Hubert J. Farnsworth', 'CEO', 20000.0, NULL);INSERT INTO Employee VALUES(5, 'John A. Zoidberg', 'Physician', 25.0, NULL);INSERT INTO Employee VALUES(6, 'Amy Wong', 'Intern', 5000.0, NULL);INSERT INTO Employee VALUES(7, 'Hermes Conrad', 'Bureaucrat', 10000.0, NULL);INSERT INTO Employee VALUES(8, 'Scruffy Scruffington', 'Janitor', 5000.0, NULL);INSERT INTO Planet VALUES(1, 'Omicron Persei 8', 89475345.3545);INSERT INTO Planet VALUES(2, 'Decapod X', 65498463216.3466);INSERT INTO Planet VALUES(3, 'Mars', 32435021.65468);INSERT INTO Planet VALUES(4, 'Omega III', 98432121.5464);INSERT INTO Planet VALUES(5, 'Tarantulon VI', 849842198.354654);INSERT INTO Planet VALUES(6, 'Cannibalon', 654321987.21654);INSERT INTO Planet VALUES(7, 'DogDoo VII', 65498721354.688);INSERT INTO Planet VALUES(8, 'Nintenduu 64', 6543219894.1654);INSERT INTO Planet VALUES(9, 'Amazonia', 65432135979.6547);INSERT INTO Has\_Clearance VALUES(1, 1, 2);INSERT INTO Has\_Clearance VALUES(1, 2, 3);INSERT INTO Has\_Clearance VALUES(2, 3, 2);INSERT INTO Has\_Clearance VALUES(2, 4, 4);INSERT INTO Has\_Clearance VALUES(3, 5, 2);INSERT INTO Has\_Clearance VALUES(3, 6, 4);INSERT INTO Has\_Clearance VALUES(4, 7, 1);INSERT INTO Shipment VALUES(1, '3004/05/11', 1, 1);INSERT INTO Shipment VALUES(2, '3004/05/11', 1, 2);INSERT INTO Shipment VALUES(3, NULL, 2, 3);INSERT INTO Shipment VALUES(4, NULL, 2, 4);INSERT INTO Shipment VALUES(5, NULL, 7, 5);INSERT INTO Package VALUES(1, 1, 'Undeclared', 1.5, 1, 2);INSERT INTO Package VALUES(2, 1, 'Undeclared', 10.0, 2, 3);INSERT INTO Package VALUES(2, 2, 'A bucket of krill', 2.0, 8, 7);INSERT INTO Package VALUES(3, 1, 'Undeclared', 15.0, 3, 4);INSERT INTO Package VALUES(3, 2, 'Undeclared', 3.0, 5, 1);INSERT INTO Package VALUES(3, 3, 'Undeclared', 7.0, 2, 3);INSERT INTO Package VALUES(4, 1, 'Undeclared', 5.0, 4, 5);INSERT INTO Package VALUES(4, 2, 'Undeclared', 27.0, 1, 2);INSERT INTO Package VALUES(5, 1, 'Undeclared', 100.0, 5, 1);

Query OK, 0 rows affected (3.16 sec)

Query OK, 0 rows affected (3.47 sec)

Query OK, 0 rows affected (8.97 sec)

Query OK, 0 rows affected (2.23 sec)

Query OK, 0 rows affected (2.63 sec)

Query OK, 0 rows affected (6.95 sec)

Query OK, 1 row affected (0.19 sec)

Query OK, 1 row affected (0.17 sec)

Query OK, 1 row affected (0.42 sec)

Query OK, 1 row affected (0.53 sec)

Query OK, 1 row affected (0.22 sec)

Query OK, 1 row affected (0.30 sec)

Query OK, 1 row affected (0.20 sec)

Query OK, 1 row affected (0.20 sec)

Query OK, 1 row affected (0.31 sec)

Query OK, 1 row affected (0.33 sec)

Query OK, 1 row affected (0.23 sec)

Query OK, 1 row affected (0.30 sec)

Query OK, 1 row affected (0.25 sec)

Query OK, 1 row affected (0.30 sec)

Query OK, 1 row affected (0.22 sec)

Query OK, 1 row affected (0.30 sec)

Query OK, 1 row affected (0.34 sec)

Query OK, 1 row affected (0.52 sec)

Query OK, 1 row affected (0.44 sec)

Query OK, 1 row affected (0.25 sec)

Query OK, 1 row affected (0.34 sec)

Query OK, 1 row affected (0.69 sec)

Query OK, 1 row affected (0.52 sec)

Query OK, 1 row affected (0.22 sec)

Query OK, 1 row affected (0.39 sec)

Query OK, 1 row affected (0.22 sec)

Query OK, 1 row affected (0.33 sec)

Query OK, 1 row affected (0.27 sec)

Query OK, 1 row affected (0.39 sec)

Query OK, 1 row affected (0.33 sec)

Query OK, 1 row affected (0.28 sec)

Query OK, 1 row affected (0.23 sec)

Query OK, 1 row affected (0.17 sec)

Query OK, 1 row affected (0.42 sec)

Query OK, 1 row affected (0.28 sec)

Query OK, 1 row affected (0.17 sec)

Query OK, 1 row affected (0.31 sec)

Query OK, 1 row affected (0.89 sec)

Query OK, 1 row affected (0.20 sec)

Query OK, 1 row affected (0.23 sec)

Query OK, 1 row affected (0.17 sec)

Query OK, 1 row affected (0.27 sec)

Query OK, 1 row affected (0.83 sec)

Query OK, 1 row affected (0.20 sec)

Query OK, 1 row affected (0.25 sec)

Query OK, 1 row affected (0.45 sec)

Query OK, 1 row affected (0.41 sec)

Query OK, 1 row affected (0.42 sec)

Query OK, 1 row affected (0.45 sec)

MariaDB [we2018]> SHOW TABLES;

+------------------+

| Tables\_in\_we2018 |

+------------------+

| client |

| employee |

| has\_clearance |

| package |

| planet |

| shipment |

+------------------+

6 rows in set (0.00 sec)

MariaDB [we2018]> SELECT \* FROM EMPLOYEE;

+------------+--------------------------+--------------+--------+-------------------------------------------------------------------------+

| EmployeeID | Name | Position | Salary | Remarks |

+------------+--------------------------+--------------+--------+-------------------------------------------------------------------------+

| 1 | Phillip J. Fry | Delivery boy | 7500 | Not to be confused with the Philip J. Fry from Hovering Squid World 97a |

| 2 | Turanga Leela | Captain | 10000 | NULL |

| 3 | Bender Bending Rodriguez | Robot | 7500 | NULL |

| 4 | Hubert J. Farnsworth | CEO | 20000 | NULL |

| 5 | John A. Zoidberg | Physician | 25 | NULL |

| 6 | Amy Wong | Intern | 5000 | NULL |

| 7 | Hermes Conrad | Bureaucrat | 10000 | NULL |

| 8 | Scruffy Scruffington | Janitor | 5000 | NULL |

+------------+--------------------------+--------------+--------+-------------------------------------------------------------------------+

8 rows in set (0.00 sec)

MariaDB [we2018]> SELECT \* FROM SHIPMENT;

+------------+--------------+---------+--------+

| ShipmentID | ShipmentDate | Manager | Planet |

+------------+--------------+---------+--------+

| 1 | 3004-05-11 | 1 | 1 |

| 2 | 3004-05-11 | 1 | 2 |

| 3 | NULL | 2 | 3 |

| 4 | NULL | 2 | 4 |

| 5 | NULL | 7 | 5 |

+------------+--------------+---------+--------+

5 rows in set (0.00 sec)

MariaDB [we2018]> select employee.name, shipment.ShipmentID , shipment.shipmentDate, shipment.manager, shipment.planet from shipment inner join employee on shipment.Manager= employee.EmployeeID where employee.name="Turanga Leela";

+---------------+------------+--------------+---------+--------+

| name | ShipmentID | shipmentDate | manager | planet |

+---------------+------------+--------------+---------+--------+

| Turanga Leela | 3 | NULL | 2 | 3 |

| Turanga Leela | 4 | NULL | 2 | 4 |

+---------------+------------+--------------+---------+--------+

2 rows in set (0.00 sec)

MariaDB [we2018]> create view v2 as select employee.name, shipment.ShipmentID , shipment.shipmentDate, shipment.manager, shipment.planet from shipment inner join employee on shipment.Manager= employee.EmployeeID where employee.name="Turanga Leela";

Query OK, 0 rows affected (0.19 sec)

MariaDB [we2018]> select \* from v2;

+---------------+------------+--------------+---------+--------+

| name | ShipmentID | shipmentDate | manager | planet |

+---------------+------------+--------------+---------+--------+

| Turanga Leela | 3 | NULL | 2 | 3 |

| Turanga Leela | 4 | NULL | 2 | 4 |

+---------------+------------+--------------+---------+--------+

2 rows in set (0.00 sec)

MariaDB [we2018]> select \* from client;

+---------------+-------------------+

| AccountNumber | Name |

+---------------+-------------------+

| 1 | Zapp Brannigan |

| 2 | Al Gore's Head |

| 3 | Barbados Slim |

| 4 | Ogden Wernstrom |

| 5 | Leo Wong |

| 6 | Lrrr |

| 7 | John Zoidberg |

| 8 | John Zoidfarb |

| 9 | Morbo |

| 10 | Judge John Whitey |

| 11 | Calculon |

+---------------+-------------------+

11 rows in set (0.00 sec)

MariaDB [we2018]> select \* from package;

+----------+---------------+-------------------+--------+--------+-----------+

| Shipment | PackageNumber | Contents | Weight | Sender | Recipient |

+----------+---------------+-------------------+--------+--------+-----------+

| 1 | 1 | Undeclared | 1.5 | 1 | 2 |

| 2 | 1 | Undeclared | 10 | 2 | 3 |

| 2 | 2 | A bucket of krill | 2 | 8 | 7 |

| 3 | 1 | Undeclared | 15 | 3 | 4 |

| 3 | 2 | Undeclared | 3 | 5 | 1 |

| 3 | 3 | Undeclared | 7 | 2 | 3 |

| 4 | 1 | Undeclared | 5 | 4 | 5 |

| 4 | 2 | Undeclared | 27 | 1 | 2 |

| 5 | 1 | Undeclared | 100 | 5 | 1 |

+----------+---------------+-------------------+--------+--------+-----------+

9 rows in set (0.02 sec)

MariaDB [we2018]> select client.AccountNumber, client.name, package.PackageNumber from package inner join client on package.recipient = client.AccountNumber;

+---------------+-----------------+---------------+

| AccountNumber | name | PackageNumber |

+---------------+-----------------+---------------+

| 1 | Zapp Brannigan | 2 |

| 1 | Zapp Brannigan | 1 |

| 2 | Al Gore's Head | 1 |

| 2 | Al Gore's Head | 2 |

| 3 | Barbados Slim | 1 |

| 3 | Barbados Slim | 3 |

| 4 | Ogden Wernstrom | 1 |

| 5 | Leo Wong | 1 |

| 7 | John Zoidberg | 2 |

+---------------+-----------------+---------------+

9 rows in set (0.00 sec)

MariaDB [we2018]> select client.AccountNumber, client.name, package.PackageNumber from package inner join client on package.recipient = client.AccountNumber where pacakge.recipient IN(1,5,6);

ERROR 1054 (42S22): Unknown column 'pacakge.recipient' in 'where clause'

MariaDB [we2018]> select client.AccountNumber, client.name, package.PackageNumber from package inner join client on package.recipient = client.AccountNumber where package.recipient IN(1,5,6);

+---------------+----------------+---------------+

| AccountNumber | name | PackageNumber |

+---------------+----------------+---------------+

| 1 | Zapp Brannigan | 2 |

| 1 | Zapp Brannigan | 1 |

| 5 | Leo Wong | 1 |

+---------------+----------------+---------------+

3 rows in set (0.00 sec)

MariaDB [we2018]> create view v3 as select client.AccountNumber, client.name, package.PackageNumber from package inner join client on package.recipient = client.AccountNumber where package.recipient IN(1,5,6);

Query OK, 0 rows affected (0.28 sec)

MariaDB [we2018]> select \* from v3;

+---------------+----------------+---------------+

| AccountNumber | name | PackageNumber |

+---------------+----------------+---------------+

| 1 | Zapp Brannigan | 2 |

| 1 | Zapp Brannigan | 1 |

| 5 | Leo Wong | 1 |

+---------------+----------------+---------------+

3 rows in set (0.00 sec)

MariaDB [we2018]> select \* from employee;

+------------+--------------------------+--------------+--------+-------------------------------------------------------------------------+

| EmployeeID | Name | Position | Salary | Remarks |

+------------+--------------------------+--------------+--------+-------------------------------------------------------------------------+

| 1 | Phillip J. Fry | Delivery boy | 7500 | Not to be confused with the Philip J. Fry from Hovering Squid World 97a |

| 2 | Turanga Leela | Captain | 10000 | NULL |

| 3 | Bender Bending Rodriguez | Robot | 7500 | NULL |

| 4 | Hubert J. Farnsworth | CEO | 20000 | NULL |

| 5 | John A. Zoidberg | Physician | 25 | NULL |

| 6 | Amy Wong | Intern | 5000 | NULL |

| 7 | Hermes Conrad | Bureaucrat | 10000 | NULL |

| 8 | Scruffy Scruffington | Janitor | 5000 | NULL |

+------------+--------------------------+--------------+--------+-------------------------------------------------------------------------+

8 rows in set (0.00 sec)

MariaDB [we2018]> select \* from planet;

+----------+------------------+------------------+

| PlanetID | Name | Coordinates |

+----------+------------------+------------------+

| 1 | Omicron Persei 8 | 89475345.3545 |

| 2 | Decapod X | 65498463216.3466 |

| 3 | Mars | 32435021.65468 |

| 4 | Omega III | 98432121.5464 |

| 5 | Tarantulon VI | 849842198.354654 |

| 6 | Cannibalon | 654321987.21654 |

| 7 | DogDoo VII | 65498721354.688 |

| 8 | Nintenduu 64 | 6543219894.1654 |

| 9 | Amazonia | 65432135979.6547 |

+----------+------------------+------------------+

9 rows in set (0.00 sec)

MariaDB [we2018]> select \* from has\_clearance;

+----------+--------+-------+

| Employee | Planet | Level |

+----------+--------+-------+

| 1 | 1 | 2 |

| 1 | 2 | 3 |

| 2 | 3 | 2 |

| 2 | 4 | 4 |

| 3 | 5 | 2 |

| 3 | 6 | 4 |

| 4 | 7 | 1 |

+----------+--------+-------+

7 rows in set (0.00 sec)

MariaDB [we2018]> select employee.name, planet.name from has\_clearance INNER JOIN planet on has\_clearance.planet= planet.planet\_id INNER JOIN EMPLOYEE ON has\_clearance.employee=employee.employeeid;

ERROR 1054 (42S22): Unknown column 'planet.planet\_id' in 'on clause'

MariaDB [we2018]> select employee.name, planet.name from has\_clearance INNER JOIN planet on has\_clearance.planet= planet.planetid INNER JOIN EMPLOYEE ON has\_clearance.employee=employee.employeeid;

+--------------------------+------------------+

| name | name |

+--------------------------+------------------+

| Phillip J. Fry | Omicron Persei 8 |

| Phillip J. Fry | Decapod X |

| Turanga Leela | Mars |

| Turanga Leela | Omega III |

| Bender Bending Rodriguez | Tarantulon VI |

| Bender Bending Rodriguez | Cannibalon |

| Hubert J. Farnsworth | DogDoo VII |

+--------------------------+------------------+

7 rows in set (0.00 sec)

MariaDB [we2018]> create view v4 as select employee.name, planet.name from has\_clearance INNER JOIN planet on has\_clearance.planet= planet.planetid INNER JOIN EMPLOYEE ON has\_clearance.employee=employee.employeeid;

ERROR 1060 (42S21): Duplicate column name 'name'

MariaDB [we2018]> create view v4 as select employee.name AS EMPLOYEE\_NAME, planet.name as PLANT\_NAME from has\_clearance INNER JOIN planet on has\_clearance.planet= planet.planetid INNER JOIN EMPLOYEE ON has\_clearance.employee=employee.employeeid;

Query OK, 0 rows affected (0.52 sec)

MariaDB [we2018]> SELECT \* FROM V4;

+--------------------------+------------------+

| EMPLOYEE\_NAME | PLANT\_NAME |

+--------------------------+------------------+

| Phillip J. Fry | Omicron Persei 8 |

| Phillip J. Fry | Decapod X |

| Turanga Leela | Mars |

| Turanga Leela | Omega III |

| Bender Bending Rodriguez | Tarantulon VI |

| Bender Bending Rodriguez | Cannibalon |

| Hubert J. Farnsworth | DogDoo VII |

+--------------------------+------------------+

7 rows in set (0.00 sec)

MariaDB [we2018]> SELECT \* FROM PACKAGE;

+----------+---------------+-------------------+--------+--------+-----------+

| Shipment | PackageNumber | Contents | Weight | Sender | Recipient |

+----------+---------------+-------------------+--------+--------+-----------+

| 1 | 1 | Undeclared | 1.5 | 1 | 2 |

| 2 | 1 | Undeclared | 10 | 2 | 3 |

| 2 | 2 | A bucket of krill | 2 | 8 | 7 |

| 3 | 1 | Undeclared | 15 | 3 | 4 |

| 3 | 2 | Undeclared | 3 | 5 | 1 |

| 3 | 3 | Undeclared | 7 | 2 | 3 |

| 4 | 1 | Undeclared | 5 | 4 | 5 |

| 4 | 2 | Undeclared | 27 | 1 | 2 |

| 5 | 1 | Undeclared | 100 | 5 | 1 |

+----------+---------------+-------------------+--------+--------+-----------+

9 rows in set (0.00 sec)

MariaDB [we2018]> SELECT \* FROM CLIENT;

+---------------+-------------------+

| AccountNumber | Name |

+---------------+-------------------+

| 1 | Zapp Brannigan |

| 2 | Al Gore's Head |

| 3 | Barbados Slim |

| 4 | Ogden Wernstrom |

| 5 | Leo Wong |

| 6 | Lrrr |

| 7 | John Zoidberg |

| 8 | John Zoidfarb |

| 9 | Morbo |

| 10 | Judge John Whitey |

| 11 | Calculon |

+---------------+-------------------+

11 rows in set (0.00 sec)

MariaDB [we2018]> SELECT \* FROM SHIPMENT;

+------------+--------------+---------+--------+

| ShipmentID | ShipmentDate | Manager | Planet |

+------------+--------------+---------+--------+

| 1 | 3004-05-11 | 1 | 1 |

| 2 | 3004-05-11 | 1 | 2 |

| 3 | NULL | 2 | 3 |

| 4 | NULL | 2 | 4 |

| 5 | NULL | 7 | 5 |

+------------+--------------+---------+--------+

5 rows in set (0.00 sec)

MariaDB [we2018]> SELECT SHIPMENT.SHIPMENTDATE, CLIENT.NAME AS SENDER , CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID INNER JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10;

+--------------+-----------------+-----------------+

| SHIPMENTDATE | SENDER | RECEIVER |

+--------------+-----------------+-----------------+

| 3004-05-11 | Al Gore's Head | Al Gore's Head |

| NULL | Al Gore's Head | Al Gore's Head |

| NULL | Ogden Wernstrom | Ogden Wernstrom |

+--------------+-----------------+-----------------+

3 rows in set (0.00 sec)

MariaDB [we2018]> SELECT SHIPMENT.SHIPMENTDATE, CLIENT.NAME AS SENDER , CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER AND PACKAGE.RECEIPIENT=CLIENT.NAME WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10;

ERROR 1054 (42S22): Unknown column 'PACKAGE.RECEIPIENT' in 'on clause'

MariaDB [we2018]> SELECT SHIPMENT.SHIPMENTDATE, CLIENT.NAME AS SENDER , CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER AND PACKAGE.RECIPIENT=CLIENT.NAME WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10;

Empty set, 3 warnings (0.00 sec)

MariaDB [we2018]> SELECT SHIPMENT.SHIPMENTDATE, CLIENT.NAME AS SENDER , CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID FULL JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER AND PACKAGE.RECIPIENT=CLIENT.NAME WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'FULL JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER AND PACKAGE.RECIPIENT=CL' at line 1

MariaDB [we2018]> SELECT SHIPMENT.SHIPMENTDATE, CLIENT.NAME AS SENDER , CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID FULL INNER JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER AND PACKAGE.RECIPIENT=CLIENT.NAME WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'FULL INNER JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER AND PACKAGE.RECIPI' at line 1

MariaDB [we2018]> SELECT SHIPMENT.SHIPMENTDATE, CLIENT.NAME AS SENDER , CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID SELF JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER AND PACKAGE.RECIPIENT=CLIENT.NAME WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'SELF JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER AND PACKAGE.RECIPIENT=CL' at line 1

MariaDB [we2018]> SELECT SHIPMENT.SHIPMENTDATE, CLIENT.NAME AS SENDER , CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID INNER JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER AND PACKAGE.RECIPIENT=CLIENT.NAME WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10;

Empty set, 3 warnings (0.00 sec)

MariaDB [we2018]> SELECT \* FROM PLANET;

+----------+------------------+------------------+

| PlanetID | Name | Coordinates |

+----------+------------------+------------------+

| 1 | Omicron Persei 8 | 89475345.3545 |

| 2 | Decapod X | 65498463216.3466 |

| 3 | Mars | 32435021.65468 |

| 4 | Omega III | 98432121.5464 |

| 5 | Tarantulon VI | 849842198.354654 |

| 6 | Cannibalon | 654321987.21654 |

| 7 | DogDoo VII | 65498721354.688 |

| 8 | Nintenduu 64 | 6543219894.1654 |

| 9 | Amazonia | 65432135979.6547 |

+----------+------------------+------------------+

9 rows in set (0.00 sec)

MariaDB [we2018]> SELECT \* FROM shipment;

+------------+--------------+---------+--------+

| ShipmentID | ShipmentDate | Manager | Planet |

+------------+--------------+---------+--------+

| 1 | 3004-05-11 | 1 | 1 |

| 2 | 3004-05-11 | 1 | 2 |

| 3 | NULL | 2 | 3 |

| 4 | NULL | 2 | 4 |

| 5 | NULL | 7 | 5 |

+------------+--------------+---------+--------+

5 rows in set (0.00 sec)

MariaDB [we2018]> select planet.name , shipment.shipmentid, shipment.shipmentdate from shipment inner join planet on shipment.planet= planet.planetid where planet.name= "Mars" OR "Decapod X";

+------+------------+--------------+

| name | shipmentid | shipmentdate |

+------+------------+--------------+

| Mars | 3 | NULL |

+------+------------+--------------+

1 row in set, 4 warnings (0.00 sec)

MariaDB [we2018]> select planet.name , shipment.shipmentid, shipment.shipmentdate from shipment inner join planet on shipment.planet= planet.planetid where planet.name= "Mars" AND "Decapod X";

Empty set, 5 warnings (0.00 sec)

MariaDB [we2018]> select planet.name , shipment.shipmentid, shipment.shipmentdate from shipment inner join planet on shipment.planet= planet.planetid where planet.name= "Decapod X" OR "MARS";

+-----------+------------+--------------+

| name | shipmentid | shipmentdate |

+-----------+------------+--------------+

| Decapod X | 2 | 3004-05-11 |

+-----------+------------+--------------+

1 row in set, 4 warnings (0.00 sec)

MariaDB [we2018]> select planet.name , shipment.shipmentid, shipment.shipmentdate from shipment inner join planet on shipment.planet= planet.planetid where planet.name IN ( "Decapod X","MARS");

+-----------+------------+--------------+

| name | shipmentid | shipmentdate |

+-----------+------------+--------------+

| Decapod X | 2 | 3004-05-11 |

| Mars | 3 | NULL |

+-----------+------------+--------------+

2 rows in set (0.00 sec)

MariaDB [we2018]> create view v6 as select planet.name , shipment.shipmentid, shipment.shipmentdate from shipment inner join planet on shipment.planet= planet.planetid where planet.name IN ( "Decapod X","MARS");

Query OK, 0 rows affected (0.27 sec)

MariaDB [we2018]> select \* from v6;

+-----------+------------+--------------+

| name | shipmentid | shipmentdate |

+-----------+------------+--------------+

| Decapod X | 2 | 3004-05-11 |

| Mars | 3 | NULL |

+-----------+------------+--------------+

2 rows in set (0.00 sec)

MariaDB [we2018]> MariaDB [we2018]> select \* from client;

+---------------+-------------------+

| AccountNumber | Name |

+---------------+-------------------+

| 1 | Zapp Brannigan |

| 2 | Al Gore's Head |

| 3 | Barbados Slim |

| 4 | Ogden Wernstrom |

| 5 | Leo Wong |

| 6 | Lrrr |

| 7 | John Zoidberg |

| 8 | John Zoidfarb |

| 9 | Morbo |

| 10 | Judge John Whitey |

| 11 | Calculon |

+---------------+-------------------+

11 rows in set (0.00 sec)

MariaDB [we2018]> select \* from package;

+----------+---------------+-------------------+--------+--------+-----------+

| Shipment | PackageNumber | Contents | Weight | Sender | Recipient |

+----------+---------------+-------------------+--------+--------+-----------+

| 1 | 1 | Undeclared | 1.5 | 1 | 2 |

| 2 | 1 | Undeclared | 10 | 2 | 3 |

| 2 | 2 | A bucket of krill | 2 | 8 | 7 |

| 3 | 1 | Undeclared | 15 | 3 | 4 |

| 3 | 2 | Undeclared | 3 | 5 | 1 |

| 3 | 3 | Undeclared | 7 | 2 | 3 |

| 4 | 1 | Undeclared | 5 | 4 | 5 |

| 4 | 2 | Undeclared | 27 | 1 | 2 |

| 5 | 1 | Undeclared | 100 | 5 | 1 |

+----------+---------------+-------------------+--------+--------+-----------+

9 rows in set (0.00 sec)

MariaDB [we2018]> create view v7 as select client.name from client inner join package on client.AccountNumber=package.sender where package.contents="Undeclared";

Query OK, 0 rows affected (0.27 sec)

MariaDB [we2018]> select \* from v7;

+-----------------+

| name |

+-----------------+

| Zapp Brannigan |

| Al Gore's Head |

| Barbados Slim |

| Leo Wong |

| Al Gore's Head |

| Ogden Wernstrom |

| Zapp Brannigan |

| Leo Wong |

+-----------------+

8 rows in set (0.00 sec)

MariaDB [we2018]> create view v7 as select client.name from client inner join package on client.AccountNumber=package.sender where package.contents="Undeclared" group by client.name;

ERROR 1050 (42S01): Table 'v7' already exists

MariaDB [we2018]> drop view v7;

Query OK, 0 rows affected (0.00 sec)

MariaDB [we2018]> create view v7 as select client.name from client inner join package on client.AccountNumber=package.sender where package.contents="Undeclared" group by client.name;

Query OK, 0 rows affected (0.08 sec)

MariaDB [we2018]> select \* from v7;

+-----------------+

| name |

+-----------------+

| Al Gore's Head |

| Barbados Slim |

| Leo Wong |

| Ogden Wernstrom |

| Zapp Brannigan |

+-----------------+

5 rows in set (0.00 sec)

MariaDB [we2018]> select \* from employee;

+------------+--------------------------+--------------+--------+-------------------------------------------------------------------------+

| EmployeeID | Name | Position | Salary | Remarks |

+------------+--------------------------+--------------+--------+-------------------------------------------------------------------------+

| 1 | Phillip J. Fry | Delivery boy | 7500 | Not to be confused with the Philip J. Fry from Hovering Squid World 97a |

| 2 | Turanga Leela | Captain | 10000 | NULL |

| 3 | Bender Bending Rodriguez | Robot | 7500 | NULL |

| 4 | Hubert J. Farnsworth | CEO | 20000 | NULL |

| 5 | John A. Zoidberg | Physician | 25 | NULL |

| 6 | Amy Wong | Intern | 5000 | NULL |

| 7 | Hermes Conrad | Bureaucrat | 10000 | NULL |

| 8 | Scruffy Scruffington | Janitor | 5000 | NULL |

+------------+--------------------------+--------------+--------+-------------------------------------------------------------------------+

8 rows in set (0.00 sec)

MariaDB [we2018]> select \* from client;

+---------------+-------------------+

| AccountNumber | Name |

+---------------+-------------------+

| 1 | Zapp Brannigan |

| 2 | Al Gore's Head |

| 3 | Barbados Slim |

| 4 | Ogden Wernstrom |

| 5 | Leo Wong |

| 6 | Lrrr |

| 7 | John Zoidberg |

| 8 | John Zoidfarb |

| 9 | Morbo |

| 10 | Judge John Whitey |

| 11 | Calculon |

+---------------+-------------------+

11 rows in set (0.00 sec)

MariaDB [we2018]> select \* from package;

+----------+---------------+-------------------+--------+--------+-----------+

| Shipment | PackageNumber | Contents | Weight | Sender | Recipient |

+----------+---------------+-------------------+--------+--------+-----------+

| 1 | 1 | Undeclared | 1.5 | 1 | 2 |

| 2 | 1 | Undeclared | 10 | 2 | 3 |

| 2 | 2 | A bucket of krill | 2 | 8 | 7 |

| 3 | 1 | Undeclared | 15 | 3 | 4 |

| 3 | 2 | Undeclared | 3 | 5 | 1 |

| 3 | 3 | Undeclared | 7 | 2 | 3 |

| 4 | 1 | Undeclared | 5 | 4 | 5 |

| 4 | 2 | Undeclared | 27 | 1 | 2 |

| 5 | 1 | Undeclared | 100 | 5 | 1 |

+----------+---------------+-------------------+--------+--------+-----------+

9 rows in set (0.00 sec)

MariaDB [we2018]> select \* from shipment;

+------------+--------------+---------+--------+

| ShipmentID | ShipmentDate | Manager | Planet |

+------------+--------------+---------+--------+

| 1 | 3004-05-11 | 1 | 1 |

| 2 | 3004-05-11 | 1 | 2 |

| 3 | NULL | 2 | 3 |

| 4 | NULL | 2 | 4 |

| 5 | NULL | 7 | 5 |

+------------+--------------+---------+--------+

5 rows in set (0.00 sec)

MariaDB [we2018]> select \* from has\_clearance;

+----------+--------+-------+

| Employee | Planet | Level |

+----------+--------+-------+

| 1 | 1 | 2 |

| 1 | 2 | 3 |

| 2 | 3 | 2 |

| 2 | 4 | 4 |

| 3 | 5 | 2 |

| 3 | 6 | 4 |

| 4 | 7 | 1 |

+----------+--------+-------+

7 rows in set (0.00 sec)

MariaDB [we2018]> select client.name from package inner join client on package.recipient=client.accountnumber inner joinshipment on package.shipment=shipment.shipmentid inner join shipment.employeeid=employee.employeeid where package.contents="Undeclared" group by employee.name="Hermes Conrad";

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'joinshipment on package.shipment=shipment.shipmentid inner join shipment.employe' at line 1

MariaDB [we2018]> select client.name from package inner join client on package.recipient=client.accountnumber inner join shipment on package.shipment=shipment.shipmentid inner join shipment.employeeid=employee.employeeid where package.contents="Undeclared" group by employee.name="Hermes Conrad";

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '.employeeid where package.contents="Undeclared" group by employee.name="Hermes C' at line 1

MariaDB [we2018]> select client.name from package inner join client on package.recipient=client.accountnumber inner join shipment on package.shipment=shipment.shipmentid inner join employee on shipment.employeeid=employee.employeeid where package.contents="Undeclared" group by employee.name="Hermes Conrad";

ERROR 1054 (42S22): Unknown column 'shipment.employeeid' in 'on clause'

MariaDB [we2018]> select client.name from package inner join client on package.recipient=client.accountnumber inner join shipment on package.shipment=shipment.shipmentid inner join employee on shipment.employeeid=employee.employeeid where package.contents="Undeclared" group by employee.name="Hermes Conrad";

ERROR 1054 (42S22): Unknown column 'shipment.employeeid' in 'on clause'

MariaDB [we2018]> select client.name from package inner join client on package.recipient=client.accountnumber inner join shipment on package.shipment=shipment.shipmentid inner join employee on shipment.manager=employee.employeeid where package.contents="Undeclared" group by employee.name="Hermes Conrad";

+----------------+

| name |

+----------------+

| Al Gore's Head |

| Zapp Brannigan |

+----------------+

2 rows in set (0.00 sec)

MariaDB [we2018]> select client.name from package inner join client on package.recipient=client.accountnumber inner join shipment on package.shipment=shipment.shipmentid inner join employee on shipment.manager=employee.employeeid where employee.name="Hermes Conrad";

+----------------+

| name |

+----------------+

| Zapp Brannigan |

+----------------+

1 row in set (0.00 sec)

MariaDB [we2018]> create view v8 as select client.name from package inner join client on package.recipient=client.accountnumber inner join shipment on package.shipment=shipment.shipmentid inner join employee on shipment.manager=employee.employeeid where employee.name="Hermes Conrad";

Query OK, 0 rows affected (0.19 sec)

MariaDB [we2018]> select \* from v8;

+----------------+

| name |

+----------------+

| Zapp Brannigan |

+----------------+

1 row in set (0.00 sec)

MariaDB [we2018]> select employee.name from shipment inner join

-> planet on shipment.planet=planet.planetid inner join

-> employee on shipment.manager=employee.employeeid

-> group by planet.name="Omega III";

+----------------+

| name |

+----------------+

| Phillip J. Fry |

| Turanga Leela |

+----------------+

2 rows in set (0.00 sec)

MariaDB [we2018]> select \* from planet;

+----------+------------------+------------------+

| PlanetID | Name | Coordinates |

+----------+------------------+------------------+

| 1 | Omicron Persei 8 | 89475345.3545 |

| 2 | Decapod X | 65498463216.3466 |

| 3 | Mars | 32435021.65468 |

| 4 | Omega III | 98432121.5464 |

| 5 | Tarantulon VI | 849842198.354654 |

| 6 | Cannibalon | 654321987.21654 |

| 7 | DogDoo VII | 65498721354.688 |

| 8 | Nintenduu 64 | 6543219894.1654 |

| 9 | Amazonia | 65432135979.6547 |

+----------+------------------+------------------+

9 rows in set (0.00 sec)

MariaDB [we2018]> select employee.name from shipment inner join

-> -> planet on shipment.planet=planet.planetid inner join

-> -> employee on shipment.manager=employee.employeeid

-> -> where planet.name="Omega III";

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '-> planet on shipment.planet=planet.planetid inner join

-> employee on ship' at line 2

MariaDB [we2018]> select employee.name from shipment inner join planet on shipment.planet=planet.planetid inner join employee on shipment.manager=employee.employeeid where planet.name="Omega III";

+---------------+

| name |

+---------------+

| Turanga Leela |

+---------------+

1 row in set (0.00 sec)

MariaDB [we2018]> create view v9 as select employee.name from shipment inner join planet on shipment.planet=planet.planetid inner join employee on shipment.manager=employee.employeeid where planet.name="Omega III";

Query OK, 0 rows affected (0.06 sec)

MariaDB [we2018]> select \* from v9;

+---------------+

| name |

+---------------+

| Turanga Leela |

+---------------+

1 row in set (0.00 sec)

MariaDB [we2018]> select \* from shipment;

+------------+--------------+---------+--------+

| ShipmentID | ShipmentDate | Manager | Planet |

+------------+--------------+---------+--------+

| 1 | 3004-05-11 | 1 | 1 |

| 2 | 3004-05-11 | 1 | 2 |

| 3 | NULL | 2 | 3 |

| 4 | NULL | 2 | 4 |

| 5 | NULL | 7 | 5 |

+------------+--------------+---------+--------+

5 rows in set (0.00 sec)

MariaDB [we2018]> update shipment set shipmentdate= curdate() where shipmentdate= NULL;

Query OK, 0 rows affected (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [we2018]> select \* from shipment;

+------------+--------------+---------+--------+

| ShipmentID | ShipmentDate | Manager | Planet |

+------------+--------------+---------+--------+

| 1 | 3004-05-11 | 1 | 1 |

| 2 | 3004-05-11 | 1 | 2 |

| 3 | NULL | 2 | 3 |

| 4 | NULL | 2 | 4 |

| 5 | NULL | 7 | 5 |

+------------+--------------+---------+--------+

5 rows in set (0.00 sec)

MariaDB [we2018]> update shipment set shipmentdate= currdate() where shipmentdate= NULL;

ERROR 1305 (42000): FUNCTION we2018.currdate does not exist

MariaDB [we2018]> update shipment set shipmentdate= curdate() where shipmentdate= "NULL";

Query OK, 0 rows affected, 1 warning (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 1

MariaDB [we2018]> select \* from shipment;

+------------+--------------+---------+--------+

| ShipmentID | ShipmentDate | Manager | Planet |

+------------+--------------+---------+--------+

| 1 | 3004-05-11 | 1 | 1 |

| 2 | 3004-05-11 | 1 | 2 |

| 3 | NULL | 2 | 3 |

| 4 | NULL | 2 | 4 |

| 5 | NULL | 7 | 5 |

+------------+--------------+---------+--------+

5 rows in set (0.00 sec)

MariaDB [we2018]> update shipment set shipmentdate as curdate() where shipmentdate=NULL;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'as curdate() where shipmentdate=NULL' at line 1

MariaDB [we2018]> update shipment set shipmentdate= curdate() where shipmentdate=NULL;

Query OK, 0 rows affected (0.00 sec)

Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [we2018]> update shipment set shipmentdate= curdate() where shipmentdate is null;

Query OK, 3 rows affected (0.11 sec)

Rows matched: 3 Changed: 3 Warnings: 0

MariaDB [we2018]> select \* from shipment;

+------------+--------------+---------+--------+

| ShipmentID | ShipmentDate | Manager | Planet |

+------------+--------------+---------+--------+

| 1 | 3004-05-11 | 1 | 1 |

| 2 | 3004-05-11 | 1 | 2 |

| 3 | 2018-01-22 | 2 | 3 |

| 4 | 2018-01-22 | 2 | 4 |

| 5 | 2018-01-22 | 7 | 5 |

+------------+--------------+---------+--------+

5 rows in set (0.00 sec)

MariaDB [we2018]> SELECT SHIPMENT.SHIPMENTDATE, CLIENT.NAME AS SENDER , CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID inner JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER inner join client PACKAGE.RECIPIENT=CLIENT.NAME WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10;

ERROR 1066 (42000): Not unique table/alias: 'PACKAGE'

MariaDB [we2018]> SELECT SHIPMENT.SHIPMENTDATE, CLIENT.NAME AS SENDER , CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID inner JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER and PACKAGE.RECIPIENT=CLIENT.NAME WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10;

Empty set, 3 warnings (0.00 sec)

MariaDB [we2018]>

MariaDB [we2018]> SELECT SHIPMENT.SHIPMENTDATE, a.CLIENT.NAME AS SENDER , b.CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID inner JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER and PACKAGE.RECIPIENT=CLIENT.NAME WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10;

ERROR 1054 (42S22): Unknown column 'a.CLIENT.NAME' in 'field list'

MariaDB [we2018]> Create view v5 as SELECT SHIPMENT.SHIPMENTDATE, CLIENT.NAME AS SENDER , CLIENT.NAME AS RECEIVER FROM PACKAGE INNER JOIN SHIPMENT ON PACKAGE.SHIPMENT=SHIPMENT.SHIPMENTID INNER JOIN CLIENT ON PACKAGE.SENDER=CLIENT.ACCOUNTNUMBER WHERE PACKAGE.WEIGHT BETWEEN 5 AND 10;

Query OK, 0 rows affected (0.06 sec)

MariaDB [we2018]> select \* from v5;

+--------------+-----------------+-----------------+

| SHIPMENTDATE | SENDER | RECEIVER |

+--------------+-----------------+-----------------+

| 3004-05-11 | Al Gore's Head | Al Gore's Head |

| 2018-01-22 | Al Gore's Head | Al Gore's Head |

| 2018-01-22 | Ogden Wernstrom | Ogden Wernstrom |

+--------------+-----------------+-----------------+

3 rows in set (0.00 sec)