INSERT INTO studentopleiding

(studentnr, opleidingscode, startdatum, einddatum)

VALUES ('1111', 'AO', '2015-08-01', '');

INSERT INTO studentopleiding

(studentnr, opleidingscode, startdatum, einddatum)

VALUES ('2222', 'MV', '2015-08-01', '');

INSERT INTO studentopleiding

(studentnr, opleidingscode, startdatum, einddatum)

VALUES ('3333', 'DT3', '2015-08-01', '');

INSERT INTO studentopleiding

(studentnr, opleidingscode, startdatum, einddatum)

VALUES ('4444', 'DT2', '2015-08-01', '');

INSERT INTO studentopleiding

(studentnr, opleidingscode, startdatum, einddatum)

VALUES ('5555', 'MBI', '2015-08-01', '');

INSERT INTO studentopleiding

(studentnr, opleidingscode, startdatum, einddatum)

VALUES ('6666', 'IB', '2015-08-01', '');

DELETE FROM studentopleiding

WHERE studentnr = ‘1111’;

INSERT INTO opleiding (opleidingscode, naam, niveau)

VALUES ("MV", "MediaVormgeving", "4");

INSERT INTO opleiding (opleidingscode, naam, niveau)

VALUES ("DT3", "DeskTopPublising", "3");

INSERT INTO opleiding (opleidingscode, naam, niveau)

VALUES ("DT2", "DeskTopPublising", "2");

INSERT INTO opleiding (opleidingscode, naam, niveau)

VALUES ("IB", "ICT Beheerder", "4");

VALUES ("1111", "Piet", "P", "", "Pietersen", "Pietstraat 2", "1111 PP", "Almere", "m", "0361234567", "1995-2-20",500,500);

VALUES ("2222", "Jan", "J", "", "Jansen", "Janstraat 34", "2222 JJ", "Almere", "m", "0369876543", "1995-11-20",500, 500);

VALUES ("3333", "Willem", "W", "", "Willemsen", "Willemstraat 45", "3333 WW", "Almere", "m", "", "1998-10-2",200, 200);

VALUES ("4444", "Berend", "B", "van der", "Tol", "Tolweg 10", "4444 WE", "Lelystad", "m", "", "1994-4-3",500, 0);

VALUES ("5555", "Cynthia", "C", "de", "Bruin", "Almerestraat 10", "1553 CW", "Zeewolde", "", " 0665789431", "1996-5-5",500, 300);

VALUES ("6666", "Angelique", "A", "de", "Hoed", "Hoedenstraat 12", "1663 LW", "Lelystad", "v", "0320654378", "1998-6-6",200, 100);

VALUES ("2121", "Ton", "T", "van Zetten", "", "Pietstraat 2", "1111 PP", "Almere", "m", "0361234567", "1995-2-20",500,500);

INSERT INTO student (studentnr, roepnaam, voorletters, tussenvoegsels, achternaam, adres, postcode, woonplaats, geslacht, telefoon, geboortedatum, schoolgeld, betaald) VALUES ("7777", "Mariken", "M", "", "Matthijsen", "Nijghstraat 12", "1314 NM", "Lelystad", "v", "06-9876540", "1997-10-10",500, 300);

SELECT voorletters, tussenvoegsels, achternaam

FROM student

WHERE telefoon;

SELECT voorletters, tussenvoegsels, achternaam , telefoon, COUNT(telefoon)

FROM student;

SELECT voorletters, tussenvoegsels, achternaam

FROM student

WHERE telefoon LIKE '%0%';

SELECT roepnaam, tussenvoegsels, achternaam FROM student WHERE woonplaats = 'Almere' AND geslacht = 'v';

SELECT COUNT(\*)

FROM student

WHERE woonplaats = 'lelystad'

AND not geslacht = '' ;

SELECT roepnaam, tussenvoegsels, achternaam FROM student WHERE geslacht = 'm';

SELECT roepnaam, tussenvoegsels, achternaam

FROM student

WHERE uitgeschreven IS NULL;

SELECT schoolgeld - betaald

FROM student;

SELECT roepnaam, tussenvoegsels, achternaam, schoolgeld - betaald

FROM student

WHERE schoolgeld != betaald;

SELECT roepnaam

FROM student

WHERE CHAR\_LENGTH(roepnaam) < 6;

UPDATE student

SET telefoon = ' 06-1357890'

WHERE studentnr = '7777';

SELECT 2048 \* 256;

SELECT woonplaats, schoolgeld - betaald

FROM student

WHERE schoolgeld != betaald AND woonplaats ='almere' ;

UPDATE student

SET betaald = ' 500'

WHERE studentnr = '2222';

UPDATE student

SET betaald = ' 500'

WHERE studentnr = '1111';

UPDATE student

SET uitgeschreven = '2022-3-30'

WHERE studentnr = '7777';

INSERT INTO opleiding (opleidingscode, naam, niveau)

VALUES ("EE", "Electronic Engineering", "3");

INSERT INTO studentopleiding

(studentnr, opleidingscode, startdatum, einddatum)

VALUES ('8888', 'EE', '', '');

SELECT studentnr, roepnaam, tussenvoegsels, achternaam, opleiding.naam FROM student

LEFT JOIN studentopleiding

USING(studentnr)

LEFT JOIN opleiding

USING(opleidingscode);

SELECT CURTIME();

SELECT studentnr, roepnaam, tussenvoegsels, achternaam, opleiding.naam FROM student LEFT JOIN studentopleiding USING(studentnr) LEFT JOIN opleiding USING(opleidingscode)

WHERE opleidingscode = 'IB';

SELECT opleiding.naam , COUNT(studentnr) FROM student LEFT JOIN studentopleiding USING(studentnr) LEFT JOIN opleiding USING(opleidingscode)

WHERE opleidingscode = 'AO';

Setting environment for using XAMPP for Windows.

Shaayan@DELL5400 c:\xampp

# mysql -u root -p

Enter password:

Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MariaDB connection id is 1007

Server version: 10.4.22-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> USE school

Database changed

MariaDB [school]> INSERT INTO studentopleiding

-> (studentnr, opleidingscode, startdatum, einddatum)

-> VALUES ('1111', 'NB', '2015-08-01', null);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`school`.`studentopleiding`, CONSTRAINT `studentopleiding\_ibfk\_2` FOREIGN KEY (`opleidingscode`) REFERENCES `opleiding` (`opleidingscode`) ON DELETE NO ACTION ON UPDATE NO ACTION)

MariaDB [school]> INSERT INTO studentopleiding

-> (studentnr, opleidingscode, startdatum, einddatum)

-> VALUES ('1111', '', '2015-08-01', '');

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`school`.`studentopleiding`, CONSTRAINT `studentopleiding\_ibfk\_2` FOREIGN KEY (`opleidingscode`) REFERENCES `opleiding` (`opleidingscode`) ON DELETE NO ACTION ON UPDATE NO ACTION)

MariaDB [school]> INSERT INTO studentopleiding

-> (studentnr, opleidingscode, startdatum, einddatum)

-> VALUES ('2222', 'MV', '2015-08-01', '');

Query OK, 1 row affected, 1 warning (0.014 sec)

MariaDB [school]> INSERT INTO studentopleiding

-> (studentnr, opleidingscode, startdatum, einddatum)

-> VALUES ('1111', 'AO', '2015-08-01', '');

Query OK, 1 row affected, 1 warning (0.002 sec)

MariaDB [school]> INSERT INTO studentopleiding

-> (studentnr, opleidingscode, startdatum, einddatum)

-> VALUES ('3333', 'DT3', '2015-08-01', '');

Query OK, 1 row affected, 1 warning (0.016 sec)

MariaDB [school]> INSERT INTO studentopleiding

-> (studentnr, opleidingscode, startdatum, einddatum)

-> VALUES ('4444', 'DT2', '2015-08-01', '');

Query OK, 1 row affected, 1 warning (0.012 sec)

MariaDB [school]> INSERT INTO studentopleiding

-> (studentnr, opleidingscode, startdatum, einddatum)

-> VALUES ('5555', 'MBI', '2015-08-01', '');

Query OK, 1 row affected, 1 warning (0.013 sec)

MariaDB [school]> INSERT INTO studentopleiding

-> (studentnr, opleidingscode, startdatum, einddatum)

-> VALUES ('6666', 'IB', '2015-08-01', '');

Query OK, 1 row affected, 1 warning (0.016 sec)

MariaDB [school]>

MariaDB [school]> SELECT roepnaam, tussenvoegsels, achternaam, opleiding.naam

-> FROM student

-> INNER JOIN studentopleiding

-> ON studentopleiding.studentnr = student.studentnr

-> INNER JOIN opleiding

-> ON opleiding.opleidingscode = studentopleiding.opleidingscode;

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

| roepnaam | tussenvoegsels | achternaam | naam |

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

| Jan | | Jansen | MediaVormgeving |

| Piet | | Pietersen | ApplicatieOntwikkeling |

| Willem | | Willemsen | DeskTopPublising |

| Berend | van der | Tol | DeskTopPublising |

| Cynthia | de | Bruin | Medewerker Beheer ICT |

| Angelique | de | Hoed | ICT Beheerder |

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

6 rows in set (0.002 sec)

MariaDB [school]> SELECT studentnr, roepnaam, tussenvoegsels, achternaam, opleiding.naam FROM student

-> LEFT JOIN studentopleiding

-> USING(studentnr)

-> LEFT JOIN opleiding

-> USING(opleidingscode);

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

| studentnr | roepnaam | tussenvoegsels | achternaam | naam |

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

| 2222 | Jan | | Jansen | MediaVormgeving |

| 1111 | Piet | | Pietersen | ApplicatieOntwikkeling |

| 3333 | Willem | | Willemsen | DeskTopPublising |

| 4444 | Berend | van der | Tol | DeskTopPublising |

| 5555 | Cynthia | de | Bruin | Medewerker Beheer ICT |

| 6666 | Angelique | de | Hoed | ICT Beheerder |

| 7777 | Mariken | | Matthijsen | NULL |

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

7 rows in set (0.010 sec)

MariaDB [school]> INSERT INTO opleiding (opleidingscode, naam, niveau)

-> VALUES ("EE", "Electronic Engineering", "3");

ERROR 2006 (HY000): MySQL server has gone away

No connection. Trying to reconnect...

Connection id: 2209

Current database: school

Query OK, 1 row affected (0.017 sec)

MariaDB [school]> INSERT INTO studentopleiding

-> (studentnr, opleidingscode, startdatum, einddatum)

-> VALUES ('8888', 'EE', 'null', 'null');

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`school`.`studentopleiding`, CONSTRAINT `studentopleiding\_ibfk\_1` FOREIGN KEY (`studentnr`) REFERENCES `student` (`studentnr`) ON DELETE NO ACTION ON UPDATE NO ACTION)

MariaDB [school]> SELECT studentnr, roepnaam, tussenvoegsels, achternaam, opleiding.naam FROM student

-> LEFT JOIN studentopleiding

-> USING(studentnr)

-> LEFT JOIN opleiding

-> USING(opleidingscode);

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

| studentnr | roepnaam | tussenvoegsels | achternaam | naam |

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

| 2222 | Jan | | Jansen | MediaVormgeving |

| 1111 | Piet | | Pietersen | ApplicatieOntwikkeling |

| 3333 | Willem | | Willemsen | DeskTopPublising |

| 4444 | Berend | van der | Tol | DeskTopPublising |

| 5555 | Cynthia | de | Bruin | Medewerker Beheer ICT |

| 6666 | Angelique | de | Hoed | ICT Beheerder |

| 7777 | Mariken | | Matthijsen | NULL |

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

7 rows in set (0.001 sec)

MariaDB [school]> SELECT CURTIME();

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

| CURTIME() |

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

| 09:30:22 |

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

1 row in set (0.010 sec)

MariaDB [school]> SELECT studentnr, roepnaam, tussenvoegsels, achternaam, opleiding.naam FROM student LEFT JOIN studentopleiding USING(studentnr) LEFT JOIN opleiding USING(opleidingscode)

-> WHERE opleidingscode = 'IB';

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

| studentnr | roepnaam | tussenvoegsels | achternaam | naam |

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

| 6666 | Angelique | de | Hoed | ICT Beheerder |

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

1 row in set (0.001 sec)

MariaDB [school]> SELECT opleiding.naam , COUNT(studentnr) FROM student LEFT JOIN studentopleiding USING(studentnr) LEFT JOIN opleiding USING(opleidingscode)

-> WHERE opleidingscode = 'AO';

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

| naam | COUNT(studentnr) |

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

| ApplicatieOntwikkeling | 1 |

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

1 row in set (0.003 sec)

MariaDB [school]> INSERT INTO studentopleiding

-> (studentnr, opleidingscode, startdatum, einddatum)

-> VALUES ('7777', 'AO', '', '');

Query OK, 1 row affected, 2 warnings (0.013 sec)

MariaDB [school]> SELECT opleiding.naam , COUNT(studentnr) FROM student LEFT JOIN studentopleiding USING(studentnr) LEFT JOIN opleiding USING(opleidingscode)

-> WHERE opleidingscode = 'AO';

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

| naam | COUNT(studentnr) |

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

| ApplicatieOntwikkeling | 2 |

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

1 row in set (0.001 sec)

MariaDB [school]>