Unbedingt Test Cases machen

LOAD DATA INFILE '/opt/lampp/var/mysql/datawarehouse/RohdatenDataWareHouse.csv'

INTO TABLE data\_warehousing.import\_rohdaten

FIELDS TERMINATED BY ';'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

Insert into filialen (filiale\_name)

select Distinct Filialen from import\_rohdaten

INSERT INTO quartal (quartal\_name)

SELECT DISTINCT Quartal FROM import\_rohdaten

INSERT INTO artikel (artikel\_name)

SELECT DISTINCT Artikel FROM import\_rohdaten

New:

LOAD DATA INFILE '/opt/lampp/var/mysql/datawarehouse/RohdatenDataWareHouse.csv'

INTO TABLE data\_warehousing.import\_rohdaten

CHARACTER SET utf8

FIELDS TERMINATED BY ';'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

-- INSERT INTO Facts (anzahl, umsatz, gewinn, filialen\_id, quartal\_id, artikel\_id)

Insert into filialen (filiale\_name)

select Distinct Filialen from rohdatendatawarehouse

INSERT INTO quartal (quartal\_name)

SELECT DISTINCT Quartal FROM rohdatendatawarehouse

INSERT INTO artikel (artikel\_name)

SELECT DISTINCT Artikel FROM rohdatendatawarehouse

SELECT Anzahl, Umsatz, Gewinn,

(SELECT filialen.id FROM filialen WHERE filialen.filiale\_name = rohdatendatawarehouse.Filialen),

(SELECT quartal.id FROM quartal WHERE quartal.quartal\_name = rohdatendatawarehouse.Quartal),

(Select artikel.id FROM artikel WHERE artikel.artikel\_name = rohdatendatawarehouse.Artikel)

-- SELECT quartal.id WHERE ((Select Quartal FROM rohdatendatawarehouse) = (SELECT quartal\_name FROM quartal)), SELECT artikel.id WHERE ((SELECT Artikel FROM rohdatendatawarehouse = (SELECT artikel\_name FROM artikel))

FROM rohdatendatawarehouse

SELECT filialen.id FROM filialen, rohdatendatawarehouse WHERE filialen.filiale\_name = rohdatendatawarehouse.Filialen

INSERT INTO Facts (anzahl, umsatz, gewinn, filialen\_id, quartal\_id, artikel\_id);

SELECT Anzahl, Umsatz, Gewinn,

(SELECT filialen.id FROM filialen WHERE filialen.filiale\_name = import\_rohdaten.Filialen),

(SELECT quartal.id FROM quartal WHERE quartal.quartal\_name = import\_rohdaten.Quartal),

(Select artikel.id FROM artikel WHERE artikel.artikel\_name = import\_rohdaten.Artikel),

**The real deal**

LOAD DATA INFILE '/opt/lampp/var/mysql/datawarehouse/RohdatenDataWareHouse.csv'

INTO TABLE data\_warehousing.import\_rohdaten

CHARACTER SET utf8

FIELDS TERMINATED BY ';'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

Insert into filialen (filiale\_name)

select Distinct Filialen from import\_rohdaten

INSERT INTO quartal (quartal\_name)

SELECT DISTINCT Quartal FROM import\_rohdaten

INSERT INTO artikel (artikel\_name)

SELECT DISTINCT Artikel FROM import\_rohdaten

INSERT INTO facts (anzahl, umsatz, gewinn, filialen\_id, quartal\_id, artikel\_id)

SELECT Anzahl, Umsatz, Gewinn,

(SELECT filialen.id FROM filialen WHERE filialen.filiale\_name = import\_rohdaten.Filialen),

(SELECT quartal.id FROM quartal WHERE quartal.quartal\_name = import\_rohdaten.Quartal),

(Select artikel.id FROM artikel WHERE artikel.artikel\_name = import\_rohdaten.Artikel)

FROM import\_rohdaten

for %%i IN (\*.sql) Do sqlcmd -S {server} -d {database} -U {user} -P {password} -i "%%i" >> import.log

<https://statics.teams.cdn.office.net/evergreen-assets/safelinks/1/atp-safelinks.html>

Endgültig:

DROP TABLE IF EXISTS data\_warehousing.import\_rohdaten;

CREATE TABLE IF NOT EXISTS data\_warehousing.`import\_rohdaten` (

`Filialen` varchar(45) DEFAULT NULL,

`Quartal` varchar(45) DEFAULT NULL,

`Artikel` varchar(45) DEFAULT NULL,

`Anzahl` int(11) DEFAULT NULL,

`Umsatz` double DEFAULT NULL,

`Gewinn` double DEFAULT NULL

) ENGINE=InnoDB DEFAULT CHARSET=utf16;

LOAD DATA INFILE '/opt/lampp/var/mysql/datawarehouse/RohdatenDataWareHouse.csv'

INTO TABLE data\_warehousing.import\_rohdaten

CHARACTER SET utf8

FIELDS TERMINATED BY ';'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

INSERT IGNORE INTO filialen (filiale\_name)

select Distinct Filialen from import\_rohdaten;

INSERT IGNORE INTO quartal (quartal\_name)

SELECT DISTINCT Quartal FROM import\_rohdaten;

INSERT IGNORE INTO artikel (artikel\_name)

SELECT DISTINCT Artikel FROM import\_rohdaten;

INSERT INTO facts (anzahl, umsatz, gewinn, filialen\_id, quartal\_id, artikel\_id)

SELECT Anzahl, Umsatz, Gewinn,

(SELECT filialen.id FROM filialen WHERE filialen.filiale\_name = import\_rohdaten.Filialen),

(SELECT quartal.id FROM quartal WHERE quartal.quartal\_name = import\_rohdaten.Quartal),

(Select artikel.id FROM artikel WHERE artikel.artikel\_name = import\_rohdaten.Artikel)

FROM import\_rohdaten;

DROP VIEW IF EXISTS vw\_data\_warehousing;

CREATE VIEW IF NOT EXISTS vw\_data\_warehousing AS

SELECT

facts.anzahl AS Anzahl,

facts.umsatz AS Umsatz,

facts.gewinn AS Gewinn,

filialen.filiale\_name AS Filiale,

artikel.artikel\_name AS Artikel,

quartal.quartal\_name AS Quartal

FROM facts

JOIN filialen ON filialen.id = facts.filialen\_id

JOIN artikel ON artikel.id = facts.artikel\_id

JOIN quartal ON quartal.id = facts.quartal\_id

# Batch File:

@echo off

mysql -u root@localhost -proot1 -e "CREATE SCHEMA IF NOT EXISTS `data\_warehousing` DEFAULT CHARACTER SET utf16 ;

USE `data\_warehousing` ;

DROP TABLE IF EXISTS `data\_warehousing`.`filialen` ;

CREATE TABLE IF NOT EXISTS `data\_warehousing`.`filialen` (

`id` INT NOT NULL AUTO\_INCREMENT,

`filiale\_name` VARCHAR(45) NOT NULL,

PRIMARY KEY (`id`),

UNIQUE INDEX `name\_UNIQUE` (`filiale\_name` ASC))

ENGINE = InnoDB;

DROP TABLE IF EXISTS `data\_warehousing`.`quartal` ;

CREATE TABLE IF NOT EXISTS `data\_warehousing`.`quartal` (

`id` INT NOT NULL AUTO\_INCREMENT,

`quartal\_name` VARCHAR(45) NOT NULL,

PRIMARY KEY (`id`),

UNIQUE INDEX `quartal\_UNIQUE` (`quartal\_name` ASC))

ENGINE = InnoDB;

DROP TABLE IF EXISTS `data\_warehousing`.`artikel` ;

CREATE TABLE IF NOT EXISTS `data\_warehousing`.`artikel` (

`id` INT NOT NULL AUTO\_INCREMENT,

`artikel\_name` VARCHAR(45) NOT NULL,

PRIMARY KEY (`id`),

UNIQUE INDEX `artikelname\_UNIQUE` (`artikel\_name` ASC))

ENGINE = InnoDB;

DROP TABLE IF EXISTS `data\_warehousing`.`facts` ;

CREATE TABLE IF NOT EXISTS `data\_warehousing`.`facts` (

`id` INT NOT NULL AUTO\_INCREMENT,

`anzahl` INT NULL,

`umsatz` DOUBLE NULL,

`gewinn` DOUBLE NULL,

`filialen\_id` INT NOT NULL,

`quartal\_id` INT NOT NULL,

`artikel\_id` INT NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_facts\_filialen\_idx` (`filialen\_id` ASC),

INDEX `fk\_facts\_quartal1\_idx` (`quartal\_id` ASC),

INDEX `fk\_facts\_artikel1\_idx` (`artikel\_id` ASC),

CONSTRAINT `fk\_facts\_filialen`

FOREIGN KEY (`filialen\_id`)

REFERENCES `data\_warehousing`.`filialen` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_facts\_quartal1`

FOREIGN KEY (`quartal\_id`)

REFERENCES `data\_warehousing`.`quartal` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_facts\_artikel1`

FOREIGN KEY (`artikel\_id`)

REFERENCES `data\_warehousing`.`artikel` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

DROP TABLE IF EXISTS `data\_warehousing`.`import\_rohdaten` ;

CREATE TABLE IF NOT EXISTS `data\_warehousing`.`import\_rohdaten` (

`Filialen` VARCHAR(45) NULL,

`Quartal` VARCHAR(45) NULL,

`Artikel` VARCHAR(45) NULL,

`Anzahl` INT NULL,

`Umsatz` DOUBLE NULL,

`Gewinn` DOUBLE NULL)

ENGINE = InnoDB;

LOAD DATA INFILE '/opt/lampp/var/mysql/datawarehouse/RohdatenDataWareHouse.csv'

INTO TABLE data\_warehousing.import\_rohdaten

CHARACTER SET utf8

FIELDS TERMINATED BY ';'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

INSERT IGNORE INTO filialen (filiale\_name)

select Distinct Filialen from import\_rohdaten;

INSERT IGNORE INTO quartal (quartal\_name)

SELECT DISTINCT Quartal FROM import\_rohdaten;

INSERT IGNORE INTO artikel (artikel\_name)

SELECT DISTINCT Artikel FROM import\_rohdaten;

INSERT INTO facts (anzahl, umsatz, gewinn, filialen\_id, quartal\_id, artikel\_id)

SELECT Anzahl, Umsatz, Gewinn,

(SELECT filialen.id FROM filialen WHERE filialen.filiale\_name = import\_rohdaten.Filialen),

(SELECT quartal.id FROM quartal WHERE quartal.quartal\_name = import\_rohdaten.Quartal),

(Select artikel.id FROM artikel WHERE artikel.artikel\_name = import\_rohdaten.Artikel)

FROM import\_rohdaten;

CREATE VIEW vw\_data\_warehousing AS

SELECT

facts.anzahl AS Anzahl,

facts.umsatz AS Umsatz,

facts.gewinn AS Gewinn,

filialen.filiale\_name AS Filiale,

artikel.artikel\_name AS Artikel,

quartal.quartal\_name AS Quartal

FROM facts

JOIN filialen ON filialen.id = facts.filialen\_id

JOIN artikel ON artikel.id = facts.artikel\_id

JOIN quartal ON quartal.id = facts.quartal\_id

# Sql:

CREATE SCHEMA IF NOT EXISTS `data\_warehousing` DEFAULT CHARACTER SET utf16 ;

USE `data\_warehousing` ;

DROP TABLE IF EXISTS `data\_warehousing`.`filialen` ;

CREATE TABLE IF NOT EXISTS `data\_warehousing`.`filialen` (

`id` INT NOT NULL AUTO\_INCREMENT,

`filiale\_name` VARCHAR(45) NOT NULL,

PRIMARY KEY (`id`),

UNIQUE INDEX `name\_UNIQUE` (`filiale\_name` ASC))

ENGINE = InnoDB;

DROP TABLE IF EXISTS `data\_warehousing`.`quartal` ;

CREATE TABLE IF NOT EXISTS `data\_warehousing`.`quartal` (

`id` INT NOT NULL AUTO\_INCREMENT,

`quartal\_name` VARCHAR(45) NOT NULL,

PRIMARY KEY (`id`),

UNIQUE INDEX `quartal\_UNIQUE` (`quartal\_name` ASC))

ENGINE = InnoDB;

DROP TABLE IF EXISTS `data\_warehousing`.`artikel` ;

CREATE TABLE IF NOT EXISTS `data\_warehousing`.`artikel` (

`id` INT NOT NULL AUTO\_INCREMENT,

`artikel\_name` VARCHAR(45) NOT NULL,

PRIMARY KEY (`id`),

UNIQUE INDEX `artikelname\_UNIQUE` (`artikel\_name` ASC))

ENGINE = InnoDB;

DROP TABLE IF EXISTS `data\_warehousing`.`facts` ;

CREATE TABLE IF NOT EXISTS `data\_warehousing`.`facts` (

`id` INT NOT NULL AUTO\_INCREMENT,

`anzahl` INT NULL,

`umsatz` DOUBLE NULL,

`gewinn` DOUBLE NULL,

`filialen\_id` INT NOT NULL,

`quartal\_id` INT NOT NULL,

`artikel\_id` INT NOT NULL,

PRIMARY KEY (`id`),

INDEX `fk\_facts\_filialen\_idx` (`filialen\_id` ASC),

INDEX `fk\_facts\_quartal1\_idx` (`quartal\_id` ASC),

INDEX `fk\_facts\_artikel1\_idx` (`artikel\_id` ASC),

CONSTRAINT `fk\_facts\_filialen`

FOREIGN KEY (`filialen\_id`)

REFERENCES `data\_warehousing`.`filialen` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_facts\_quartal1`

FOREIGN KEY (`quartal\_id`)

REFERENCES `data\_warehousing`.`quartal` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION,

CONSTRAINT `fk\_facts\_artikel1`

FOREIGN KEY (`artikel\_id`)

REFERENCES `data\_warehousing`.`artikel` (`id`)

ON DELETE NO ACTION

ON UPDATE NO ACTION)

ENGINE = InnoDB;

DROP TABLE IF EXISTS `data\_warehousing`.`import\_rohdaten` ;

CREATE TABLE IF NOT EXISTS `data\_warehousing`.`import\_rohdaten` (

`Filialen` VARCHAR(45) NULL,

`Quartal` VARCHAR(45) NULL,

`Artikel` VARCHAR(45) NULL,

`Anzahl` INT NULL,

`Umsatz` DOUBLE NULL,

`Gewinn` DOUBLE NULL)

ENGINE = InnoDB;

LOAD DATA INFILE '/opt/lampp/var/mysql/datawarehouse/RohdatenDataWareHouse.csv'

INTO TABLE data\_warehousing.import\_rohdaten

CHARACTER SET utf8

FIELDS TERMINATED BY ';'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

INSERT IGNORE INTO filialen (filiale\_name)

select Distinct Filialen from import\_rohdaten;

INSERT IGNORE INTO quartal (quartal\_name)

SELECT DISTINCT Quartal FROM import\_rohdaten;

INSERT IGNORE INTO artikel (artikel\_name)

SELECT DISTINCT Artikel FROM import\_rohdaten;

INSERT INTO facts (anzahl, umsatz, gewinn, filialen\_id, quartal\_id, artikel\_id)

SELECT Anzahl, Umsatz, Gewinn,

(SELECT filialen.id FROM filialen WHERE filialen.filiale\_name = import\_rohdaten.Filialen),

(SELECT quartal.id FROM quartal WHERE quartal.quartal\_name = import\_rohdaten.Quartal),

(Select artikel.id FROM artikel WHERE artikel.artikel\_name = import\_rohdaten.Artikel)

FROM import\_rohdaten;

CREATE VIEW vw\_data\_warehousing AS

SELECT

facts.anzahl AS Anzahl,

facts.umsatz AS Umsatz,

facts.gewinn AS Gewinn,

filialen.filiale\_name AS Filiale,

artikel.artikel\_name AS Artikel,

quartal.quartal\_name AS Quartal

FROM facts

JOIN filialen ON filialen.id = facts.filialen\_id

JOIN artikel ON artikel.id = facts.artikel\_id

JOIN quartal ON quartal.id = facts.quartal\_id