**SQL Practice 3**

1. CREATE TABLE Managerit (

ManageriId int NOT NULL,

Sukunimi varchar(255) NOT NULL,

Etunimi varchar(255) NOT NULL,

Palkkauspvm varchar(255) NOT NULL,

Puhelin varchar(255) NOT NULL,

Sahkoposti varchar(255) NOT NULL,

PRIMARY KEY (ManageriId)

);

1. CREATE TABLE Managerit (

EsiintyjaId int NOT NULL,

Sukunimi varchar(255) NOT NULL,

Etunimi varchar(255) NOT NULL,

Taiteilijanimi varchar(255) NOT NULL,

ManageriId int NOT NULL,

PRIMARY KEY (EsiintyjaId),

FOREIGN KEY (ManageriId) REFERENCES Managerit(ManageriId)

);

1. ALTER TABLE Musiikkityylit ALTER COLUMN Tyylin nimi varchar(20);
2. ALTER TABLE Asiakkaat ADD Puhelinnumero int;
3. SELECT COUNT(Keikat.KeikkaId), Esiintyjat.Taiteilinimi FROM Keikat INNER JOIN Esiintyjat ON Keikat.EsiintyjaId = Esiintyjat.EsiintyjaId;
4. SELECT Keikat.KeikkaId, Esiintyjat.Taiteilinimi, Asiakkaat.Sukunimi FROM Keikat INNER JOIN Esiintyjat ON Keikat.EsiintyjaId = Esiintyjat.EsiintyjaId INNER JOIN Asiakkaat ON Keikat.AsiakasId = Asiakkaat.AsiakasId WHERE Keikat.Paivamaara = 2019 ORDER BY Keikat.KeikkaId ASC;
5. Clearing the table: DELETE FROM Managerit;

Destroying the entire table: DROP TABLE Managerit;

1. It shows how many people live in cities, where the post office is in either Tampere, Turku or Helsinki and have at least more than 2 people living in them.
2. This statement shows all ENimi, SNimi and Ika, which:

* have an "a" inside their SNimi, except if the SNimi is Kallela or the Ika is under 30.
* are between 40 and 50 years old and have an ENimi that is either Kalle, Simo, Ville, Tiina and Minna, except all people that are between 10 and 13 years old and all 14 year olds with the ENimi August or Kustaa.

1. It shows all customer names that have bought something from a sale. The DISTINCT attribute has the effect that it only shows differently called entries, so it basically prevents duplicates.
2. INNER JOIN only shows the records, where the two tables match, but RIGHT JOIN and LEFT JOIN, show all the entries from one table and the matching ones from the other and if there are no matching ones, it just shows an empty spot.

Example LEFT JOIN: SELECT Managerit.ManageriId, Asiakkaat.AsiakasId FROM Managerit LEFT JOIN Asiakkaat ON Managerit.ManageriId = Asiakkaat.ManageriId;

Example RIGHT JOIN: SELECT Managerit.ManageriId, Asiakkaat.AsiakasId FROM Managerit RIGHT JOIN Asiakkaat ON Managerit.ManageriId = Asiakkaat.ManageriId;

1. It only shows the 3 first entries of a query.
2. CONCAT adds multiple strings together.

SELECT CONCAT('This', ' ', 'is', ' ', 'MySQL');