1. Identify the path where is possible save an initial data

mysql -u root -p

SHOW VARIABLES LIKE "secure\_file\_priv";

A picture containing diagram

Description automatically generated

1. Copy your file to the directory specified by secure-file-priv with filename data.txt
2. Create a new database:

mysql -u root -p

CREATE DATABASE mytest;

USE mytest;

1. Create tables:

DROP TABLE IF EXISTS final;

DROP TABLE IF EXISTS result;

CREATE TABLE cargaIncial (registro VARCHAR(100));

CREATE TABLE final (employee1 VARCHAR(100), employee2 VARCHAR(100), assistance INTEGER(3));

1. Load the initial data

LOAD DATA INFILE **'/var/lib/mysql-files/data.txt'** INTO TABLE mytest.cargaIncial;

The field in bold should be replaced with the path configurated in MySql accordance with first point.

1. Create the work table

DROP TABLE IF EXISTS cargaIncial;

CREATE TABLE result AS (

SELECT LEFT(registro,(INSTR(TRIM(registro),'=')-1))as name ,

IF(INSTR(registro,'MO')>0,SUBSTRING(registro,INSTR(registro,'MO')+2,11),null) as mo,

IF(INSTR(registro,'TU')>0,SUBSTRING(registro,INSTR(registro,'TU')+2,11),null) as tu,

IF(INSTR(registro,'WE')>0,SUBSTRING(registro,INSTR(registro,'WE')+2,11),null) as we,

IF(INSTR(registro,'TH')>0,SUBSTRING(registro,INSTR(registro,'TH')+2,11),null) as th,

IF(INSTR(registro,'FR')>0,SUBSTRING(registro,INSTR(registro,'FR')+2,11),null) as fr,

IF(INSTR(registro,'SA')>0,SUBSTRING(registro,INSTR(registro,'SA')+2,11),null) as sa,

IF(INSTR(registro,'SU')>0,SUBSTRING(registro,INSTR(registro,'SU')+2,11),null) as su

FROM mytest.cargaIncial);

1. Create store procedure

DELIMITER //

DROP PROCEDURE IF EXISTS GetCustomers;

CREATE PROCEDURE GetCustomers()

BEGIN

DECLARE finished INTEGER DEFAULT 0;

DECLARE nameEmployee VARCHAR(500);

DECLARE timeMO VARCHAR(11);

DECLARE timeTU VARCHAR(11);

DECLARE timeWE VARCHAR(11);

DECLARE timeTH VARCHAR(11);

DECLARE timeFR VARCHAR(11);

DECLARE timeSA VARCHAR(11);

DECLARE timeSU VARCHAR(11);

-- declare cursor to read information of employees

DECLARE cur1 CURSOR FOR SELECT name,IFNULL(mo,0),IFNULL(tu,0),IFNULL(we,0),IFNULL(th,0),IFNULL(fr,0),IFNULL(sa,0),IFNULL(su,0) FROM mytest.result;

-- declare NOT FOUND handler

DECLARE CONTINUE HANDLER FOR SQLSTATE '02000' SET finished = 1;

OPEN cur1;

REPEAT

FETCH cur1 INTO nameEmployee,timeMO,timeTU,timeWE,timeTH,timeFR,timeSA,timeSU;

IF NOT finished THEN

INSERT INTO final

SELECT name,nameEmployee,

IF(ISNULL(NULLIF(timeMO,mo)),1,0)+

IF(ISNULL(NULLIF(timeTU,tu)),1,0)+

IF(ISNULL(NULLIF(timeWE,we)),1,0)+

IF(ISNULL(NULLIF(timeTH,th)),1,0)+

IF(ISNULL(NULLIF(timeFR,fr)),1,0)+

IF(ISNULL(NULLIF(timeSA,sa)),1,0)+

IF(ISNULL(NULLIF(timeSU,su)),1,0) as assist

FROM result

WHERE NOT EXISTS (SELECT employee1, employee2

FROM final

WHERE (employee1 IN (nameEmployee,name))

AND (employee2 IN (nameEmployee,name)))

AND name <> nameEmployee;

END IF;

UNTIL finished END REPEAT;

CLOSE cur1;

SELECT \* FROM final;

END;

//

DELIMITER ;

1. Execute store procedure:

TRUNCATE TABLE final;

CALL GetCustomers();

1. Whether you need to execute by a new data set, remember:
   1. Copy the file data.txt
   2. Create work table with data set

DROP TABLE IF EXISTS cargaIncial;

CREATE TABLE result AS (

SELECT LEFT(registro,(INSTR(TRIM(registro),'=')-1))as name ,

IF(INSTR(registro,'MO')>0,SUBSTRING(registro,INSTR(registro,'MO')+2,11),null) as mo,

IF(INSTR(registro,'TU')>0,SUBSTRING(registro,INSTR(registro,'TU')+2,11),null) as tu,

IF(INSTR(registro,'WE')>0,SUBSTRING(registro,INSTR(registro,'WE')+2,11),null) as we,

IF(INSTR(registro,'TH')>0,SUBSTRING(registro,INSTR(registro,'TH')+2,11),null) as th,

IF(INSTR(registro,'FR')>0,SUBSTRING(registro,INSTR(registro,'FR')+2,11),null) as fr,

IF(INSTR(registro,'SA')>0,SUBSTRING(registro,INSTR(registro,'SA')+2,11),null) as sa,

IF(INSTR(registro,'SU')>0,SUBSTRING(registro,INSTR(registro,'SU')+2,11),null) as su

FROM mytest.cargaIncial);

* 1. Execute store procedure:

TRUNCATE TABLE final;

CALL GetCustomers();