# Staff\_availability

## OBJECTIVE

The goal of this project was to test a solution for automating planning assignments for a company’s staff using a simple test database.

## DATABASE

The database comprises five tables:

employees   
List of all the employees.

staff\_regular\_availability  
Availability of each employee during a regular day (i.e. when the employee is not on leave for any reason) of the week.

* Several time intervals of availability are possible for a single employee.
* Availability intervals may be different for different days of the week.

### blocked\_periods

Planned employee leaves (from date1 to date2 where date1 less or equal than date2).

### slot\_timings

Time intervals within a specified day for which the availability of each employee is to be determined. Multiple intervals are possible for each day (e.g. from 09:00 to 12:00 and from 13:00 to 16:30 on 2022-09-18).

### slot\_available\_staff

Contains the information about the availability of each employee for each time slot.

## PROBLEM

The information must be added to **slot\_available\_staff** automatically each time when a new slot is added to **slot\_timings**.

## SOLUTION

Trigger **insert\_into\_slot\_availability\_table** that inserts the required rows into **slot\_available\_staff** when a new row is added to **slot\_timings**.

This database was created and tested in MariaDB v.10.4.22 using DBeaver v.21.3.0.202111281534