

## Database design doesn't have to be hard!

**Date:** April 21, 17PM-20PM CET

**Duration:** 3 hours

The event is organized by the International Cooperation Office and Programming School of the College of Economics and Computer Science

**Place:** Online/Microsoft Teams (you'll receive a link to the meeting a day before the start)

**Trainer:** Dariusz Put

**Skills:** during the workshop, you'll discover the definition of the database, learn the basics of the relational data model and design a simple database using SQL Server or MS Access.

### Workshop plan:

Step 1. Database definition:

- we'll explain what a database is, discuss its characteristics, definition, and software using to manage the databases, overview the SQL language
- we'll discuss why the knowledge of database design is essential for the career of an IT specialist

Step 2. Practical task

- you'll work on a solution aimed to prepare a way to store the information described in the task

Step 3. Learning the basics of the relational data model

- tables, the essence and the purposes of the primary keys and basics of the relationships in databases

Step 4. Designing a simple database using MS Access

- designing a database in a graphic mode without using the SQL language

Step 5. An attempt of solving the problem from the step 2 using acquired knowledge

- working individually or in small groups

Step 6. Presenting the solution from the step 2.

### Needed software:

- MS Access

**Group size:** 10 people

College of Economics and Computer Science, Kraków

Wyższa Szkoła Ekonomii i Informatyki w Krakowie, 31-150 Kraków, ul. Filipa 17

tel. +48 12 43118 90, tel./fax +48 12 431 18 82, email: kancelaria@wsei.edu.pl

NIP 676-21-58-990, Registry of Institutions of Higher Education No. 177

Admissions Office e-mail: [admissions@wsei.edu.pl](mailto:admissions@wsei.edu.pl)

