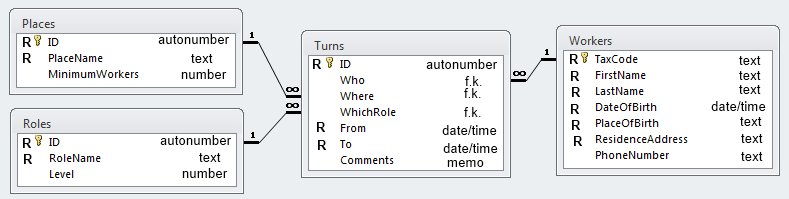
Information Systems and Data Management exam

## Exercise Relational databases



We are supposing that roles are the same for every place (responsible, vice-responsible, employee, apprentice).

Role’s level is a number between 1 and 5 to indicate the hierarchical level of that role (boss, sub-boss…). Place’s minimum workers indicate how many people, minimum must work in that place at every time.

TaxCode can have a field validation rule Like “????????????????” which checks that it has exactly 16 characters. Table Turns can have a table validation rule which checks that From be earlier than To.

Query1: which people are today at the cashiers?

Query2: how many people are working in this moment at the cushiers?

## Exercise Theoretical questions

**According to Moore’s law every 18 months**

TRUE  FALSE  software becomes slower

TRUE  FALSE  hardware becomes faster   
TRUE  FALSE  hard disks’ capacity doubles   
TRUE  FALSE  processors’ speed doubles

**This is an input only device**

TRUE  FALSE  mouse  
TRUE  FALSE  keyboard  
TRUE  FALSE  monitor  
TRUE  FALSE  modem

**SSD**TRUE  FALSE  means Standard Slow Disk  
TRUE  FALSE  can be used as a hard disk  
TRUE  FALSE  does not have moving parts

TRUE  FALSE  is more expensive than hard disks

**Commercial software**

TRUE  FALSE  must be paid

TRUE  FALSE  is explicitly designed for the customer

TRUE  FALSE  is freeware

TRUE  FALSE  is usually developed by public institutions

**This file may be run**

TRUE  FALSE  a program  
TRUE  FALSE  example.docx

TRUE  FALSE  example.com

TRUE  FALSE  example.zip

🡪 a file can be BOTH a program and a data file. A common mistake here was to think that a file is never a program file. Moreover, “can be run” means that “I can execute it”, thus only programs are executable. Archives or Word documents require ANOTHER program to be executed and while later opens them.

**With “write” permission on directory AAA, you may**

TRUE  FALSE  list content of directory AAA

TRUE  FALSE  create a file inside directory AAA

TRUE  FALSE  create a subdirectory inside directory AAA

TRUE  FALSE  assign to another user read permission on directory AAA

**If you go over quota at UNIBZ, it can happen that**

TRUE  FALSE  you cannot login

TRUE  FALSE  you do not find your Desktop as you modified it on your last login

TRUE  FALSE  you cannot receive emails

TRUE  FALSE  you cannot save files

**If you send an email from your PEC account to a standard (not PEC) account**

TRUE  FALSE  you have a legal sent proof

TRUE  FALSE  you have a legal receipt proof

TRUE  FALSE  you have a legal read proof

TRUE  FALSE  according to Italian law, it is like a “Raccomandata”

**If you type inside Google the search string** UNIBZ class , **you can find webpages containing**

TRUE  FALSE  only the sentence “classrooms at UNIBZ”  
TRUE  FALSE  only the sentence “UNIBZ and class courses”  
TRUE  FALSE  only the sentence “UNIBZ courses”  
TRUE  FALSE  only the sentence “class courses”  
This question means that you type inside Google search bar the string UNIBZ class , without quotations and anything else. Suppose then there exist 4 webpages containing only the words indicated. Is Google able to retrieve them, using your search string?

**This is a good password:**

TRUE  FALSE  xfv45

TRUE  FALSE  pqrstuvwxyz

~~TRUE  FALSE  Alex!1987 🡪 this is a bad password if you are Alex or a relative/friend of Alex. Otherwise it is not so bad as a password, but still it is a good idea to avoid common words in passwords~~

TRUE  FALSE  743342443

**These files must absolutely be included in a backup**

TRUE  FALSE  your thesis, while it is in progress

TRUE  FALSE  the solution of past computer science exams

TRUE  FALSE  the latest music you downloaded

TRUE  FALSE  the pictures of your last vacation