# Exercise Theoretical questions

For each sentence, check either the TRUE or the FALSE box.

**~~This is a quad core processor:~~**

~~TRUE  FALSE  Intel Core2 Quad  
TRUE  FALSE  inkjet multifunction  
TRUE  FALSE  AMD Phenom II X4  
TRUE  FALSE  SSD 4~~

**It is common to find on the market (in 2011) this product:**

TRUE  FALSE  USB pen drive of 16 Megabytes (some students complained on this question being true. I checked and in 2005 16 **Mega**bytes pendrives were out of every market, excluding obviously antique shops)

TRUE  FALSE  SSD disk of 32 Gigabytes  
TRUE  FALSE  internal hard disk of 500 Gigabytes

TRUE  FALSE  DVD of 4 Gigabytes

TRUE  FALSE  CD of 4 Gigabytes

TRUE  FALSE  Blu-ray disk of 4 Gigabytes

**Commercial software**

TRUE  FALSE  is distributed freely on the producer’s website

TRUE  FALSE  is always open source

TRUE  FALSE  must usually be paid only after having evaluated it for a period of time

TRUE  FALSE  is designed specifically for the customer’s needs

**Windows Vista Business edition**TRUE  FALSE  is shareware  
~~TRUE  FALSE  is better than Windows Vista Ultimate edition  
TRUE  FALSE  has appeared on the market after Windows XP Home edition  
TRUE  FALSE  has appeared on the market after Windows XP Professional edition~~

**To move file F from directory A to directory B**TRUE  FALSE  right-click on file F and select copy, right-click on directory B and select paste  
TRUE  FALSE  right-click on F and select copy, open B, right-click inside B’s windows and select paste  
TRUE  FALSE  select file F, press CTRL+X, select directory B, press CTRL+V   
TRUE  FALSE  right-click on directory A and select copy, right-click on directory B and select paste

**~~World Wide Web~~**

~~TRUE  FALSE  is the same as WWW  
TRUE  FALSE  is the same as Intranet~~

~~TRUE  FALSE  is the same as Internet~~

~~TRUE  FALSE  is the same as VPN~~

**An email from a PEC account to a not PEC account**TRUE  FALSE  always guarantees the sender’s identity to the receiver  
TRUE  FALSE  always gives back a receipt’s proof if the email has been received   
TRUE  FALSE  always gives back a sent’s proof   
TRUE  FALSE  always guarantees that email’s text has not been counterfeited   
  
**GPRS connection**TRUE  FALSE  is faster than UMTS

TRUE  FALSE  can be used on a cellular telephone

TRUE  FALSE  arrives up to 7 Mbps

TRUE  FALSE  requires line of sight

TRUE  FALSE  is faster than ADSL

**Congestion**TRUE  FALSE  is a typical problem of ADSL

TRUE  FALSE  Wi-Max is used to overcome this problem

TRUE  FALSE  can be avoided using a secure connection

**Digital signature**

TRUE  FALSE  uses encryption

TRUE  FALSE  requires a scanning of the handwritten signature

TRUE  FALSE  guarantees author’s identity

TRUE  FALSE  uses private and public key

**A backdoor virus**TRUE  FALSE  checks what passes through your Internet connection

TRUE  FALSE  can be avoided using digital signature

TRUE  FALSE  let other users enter your computer opening a port

TRUE  FALSE  it is only effective against ADSL lines

**RAID 10**

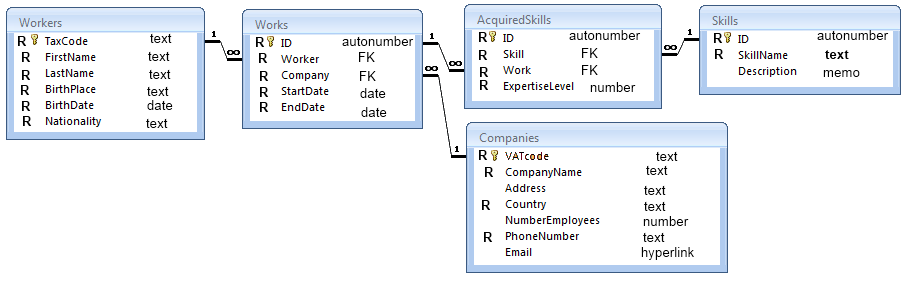
TRUE  FALSE  is as fast as RAID 0

TRUE  FALSE  is as safe as RAID 0

TRUE  FALSE  does not need any other backup solution

TRUE  FALSE  uses 4 hard disks

## Exercise Relational databases



In this database every acquired skill must be acquired during a certain work period.

Skills Enddate is required because this recruitment agency is interested only in past works

Some companies data are not required because the worker may not know them, however a phone number is always required to ask to confirmation.

Vatcode is text because, even though is numeric, it does not have any mathematical meaning.

Expertiselevel is a number from 1 to 10.

Query1: show all the workers who can use a computer at level >= 7

Query2: How many people have worked for company XYZ?