

Chapter 3

Q: What kind of relationships in the database system are they between?

A: The relationships in the database system are between computers and computer systems.

Q: What does an entity mean?

A: Services.

Q: What does a database system mean?

A: It assembles and supplies information.

Q: What kind of components of a database system are there?

A: Information.

Q: What does a database management system mean?

A: Data are controlled there.

It can be proved that the student doesn't have information about the database topic thanks to this dialog.

A course INAGB from a test A2 is another example. The result was 51.77%, one of the asked questions was *Compression is*: it was answered correctly (*process of verbosity which decreased in data*). Following interdependent questions were given with no or wrong answer. The student was given a term's short explanation from the previous question:

Is there a main principle of compression?

What kind of purpose of using compression is there?

Did you use compression practically?

What does compression rate depend on?

Do you know what kind of differences are there between BMP and JPG format?

Which file format is too close to an image with no compression? A: GIF.

Again, the absence of the information, now behind a correctly answered item, is obviously seen.

Deep difference between the written test result and the oral exam result follows with three examples from the third category. E1, which is the course IPE2, is the first example and the result was 86.98%, which was the best result for IPE2. Three of 25 questions were answered incorrectly, one of them was skipped and one was partly correct. First tested question was: *Which mathematical function can transform too many different realizations of a phenomenon*

on the quantity corresponding to the amount of knowledge? it was answered correctly (logarithm of any base). Real very poor student's knowledge about the information theory and about logarithm function appeared during the consecutive dialog. Next asked item was related to recognizing of a file's content in a CSV format. The student knew the definition of textbook what CSV format is, but didn't know the usage. Then questions to a database module were asked (all the five items in the database module were quite similar, hence without any particular one was chosen, the result of the module was 65%). It was revealed that the student doesn't know what a database is thanks to the further questions – e.g. he does not have any idea about who or what poses the questions for a database.

The other example is named E2, the course IPE2 again. Its result is 54 points and 66.75%, just one module was missing with result 40%. The student couldn't answer any of interdependent questions, even they were about the items that the student could answer correctly. The last example for this category is named E3, course IPE2, it was a re-sit, the previous result was 56% (the oral exam's result was similar to the result of the written test during the first term, but in some cases, student couldn't answer question correctly). The result of E3 was 77.33 points, 83.33%, all modules were accomplished. And the result was the second best for IPE2. The student mostly answered no questions, some of his answers were totally wrong. Anyway, the student alleged that he could understand the course's subject better because of the previous oral exam.