

# Computer Science – June, 17th 2009

Some data about some university football teams are available. Each available row of data consists in: name of the team, name of the university which the team belongs to, total of goals scored, total of goals conceded, number of players employed, annual budget assigned by the university, total of spectators.

Using these data, produce an Excel worksheet (the most) similar to that attached to this paper.

Login to *moodle.units.it* and choose the Computer Science website. The assignment, with the available data and this document, can be found as last topic.

Notice that:

- **Data must be copied in a text file and then imported into the worksheet.**
- Table 1 contains the number of goals scored and conceded per each player employed by the teams and the difference between the number of goals scored and conceded.
- Table 2 summarises the number of teams which scored at least 4 goals.
- Inserting the name of a team, where requested, displays the corresponding number of goals scored per player contained in Table 1. Use appropriate Excel functions.
- The price of the tickets for the matches is fixed by each university and is given in Table 3. By using the total number of spectators for each team, calculate the income from spectators for each university in Table 4.
- The chart displays the number of goals scored and conceded by each team.
- Table 5 **MUST** be a pivot table. It contains, for each university, the total budget assigned to its teams, the average number of players employed by the corresponding teams, and the maximum and the minimum total number of spectators who attended matches of these teams. The pivot table must be expanded to display the details for each team.
- Name and surname must be inserted at the beginning of the worksheet.
- You should use formulas or other Excel tools in a convenient way when their use is appropriate.
- Your work will be evaluated on the basis of the way and the tools you use to produce the Excel file and to solve the related problems.

Please, remember:

- Save your file often, giving it a name with a clear reference to your name and surname (for instance: *myname\_mysurname.xlsx*).
- Using the Excel help is allowed. Using books or other sources of information is **NOT** allowed.
- Communicating, talking and copying is **NOT** allowed (**the network activity is monitored!**).

Violating the previous rules causes the exclusion from the exam. Everyone works on his own file under his own responsibility.

Maximum time: **60 MINUTES**.

When you accomplished the assignment, complete the topic in the course website uploading your excel file. **Results will be put up on the 4<sup>th</sup> floor of the faculty on June, 17<sup>rd</sup> (today) at 17.00 and the individual registration of the results will follow immediately.**