Go to the Top 500 Supercomputers site (http://www.top500.org/) and study and compare the features of the five most powerful supercomputers in each of the last five years.

1. (10 points) What are the predominant architectures used to build the most powerful supercomputers in the past three years?

2. (10 points) Based on your own analysis, what architectures (clusters? number of processors? multicore processors? etc.) can you predict for the supercomputers in the next three years?

3. (10 points) Which countries are the ones that have the most powerful supercomputers? What applications are the main targets of these supercomputers, excluding the unknown applications?

4. (20 points) Give a detailed example of supercomputers being used in a business situation. You need to collect some information from some business’s web pages.