**Assignment 2**

Write a small article on the differences between SQL and NoSQL databases, focusing on the following topics

* Which situations demand the use of NoSQL Databases,
* Advantages / Disadvantages of NoSQL over SQL Databases

**Answer**

1. - When our budget won’t allow large devices and must be put into lower performance devices.  
   - When the data structures we manage are variable.  
   - For analyzing large quantities of data in read mode only  
   - Online stores with complex intelligence engines.

Advantages of NoSQL

* **Elastic scalability**: These databases are designed for use with low-cost commodity hardware.
* **Big Data Applications**: Massive volumes of data are easily handled by NoSQL databases.
* **Dynamic schemas**: NoSQL databases need no schemas to start working with data.
* **Economy**: Relational Databases require installation of expensive storage systems and proprietary servers.

Disadvantages of NoSQL

* NoSQL is not compatible (at all) with SQL.
* NoSQL are very new compared to Relational Databases, which means that are far less stable and may have a lot less functionalities.
* **Lack of standardizing**: There are many NoSQL databases and there is still no standard like the ones that exist in relational databases.