**Computer Science**

**What is the difference between HTTP and HTTPS protocols?**

1. What are the Primary Key meanings and properties in Relational Database Management Systems?
2. List two different types of loops and explain the difference between the two.
3. What is the main purpose of an OS? What are the different types of OS?
4. What is the difference between recursion and iteration?

**Imagine that today you have to present the main idea of your master’s thesis. At the moment, in the field of computer science, what are you most interested in, what would you like to work on? What would be the main problem on which you would conduct your research?**

The central component of object-oriented programming is:

a. Constructor  
b. object  
c. Class  
d. Destructor

What is the following sequence of numbers: 1 1 2 3 5 8 13 21 34 55…

a. Values of factorials of non-negative integers  
b. random numbers  
c. Fibonacci numbers  
d. Armstrong numbers