

### **1. What is World Wide Web?**

WWW is an information system created to share content globally. It is created using Hypertext Transfer Protocol (HTTP).

### **2. Explain the functional differences between a web application's front end and back end.**

Front-end is a part of a website that all users will see and interact with. The front-end is developed using HTML, CSS, and JavaScript.

Back-end is a server side of a website, which users don't see. Back-end stores and fetches user data, returns the page. Back-end programming uses languages such as Python, PHP, Ruby.

### **3. Describe what occurs on the back end during a web interaction using the "Google query example".**

As we know, back-end handles user data, so as soon as we enter a letter into Google search engine, the information gets transmitted to our router, from there it gets transferred to WWW, database, servers. The information returns to us the same way.

### **4. What is the MERN stack?**

It is a collection of technologies used in creating web application. MongoDB provides a JSON-based data-storage. Express simplifies server-side web development using Node.js. React offers a toolset for building UI on client and server sides. Node.js is a runtime environment that provides server-side use of JavaScript.