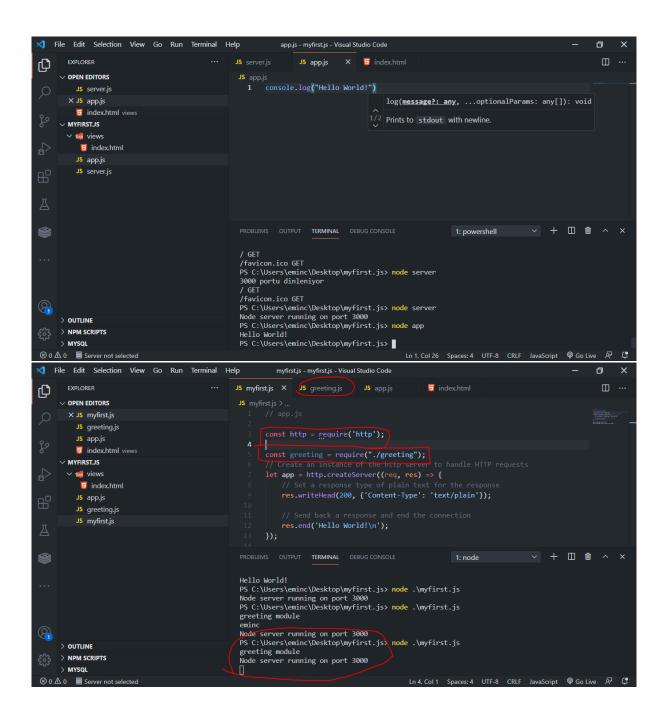


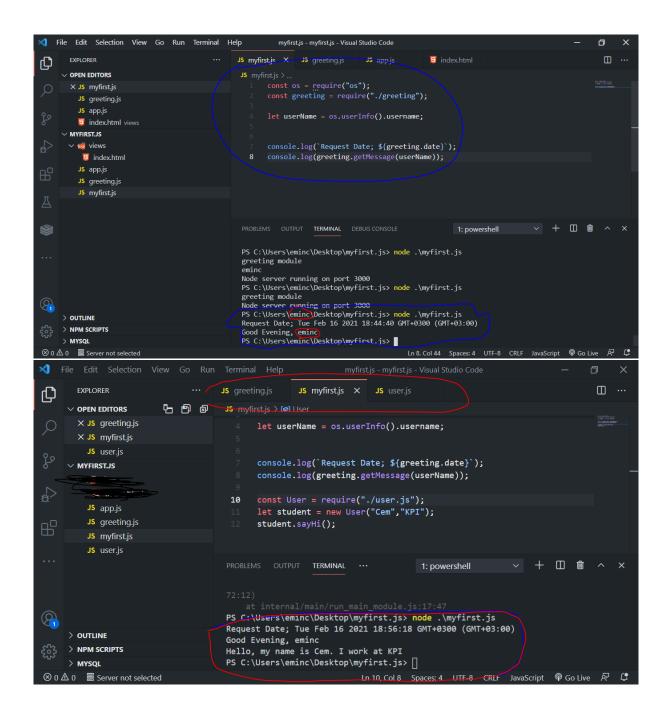
NATIONAL TECHNICAL UNIVERSITY OF UKRAINE "IGOR SIKORSKY KYIV POLYTECHNIC INSTITUTE"

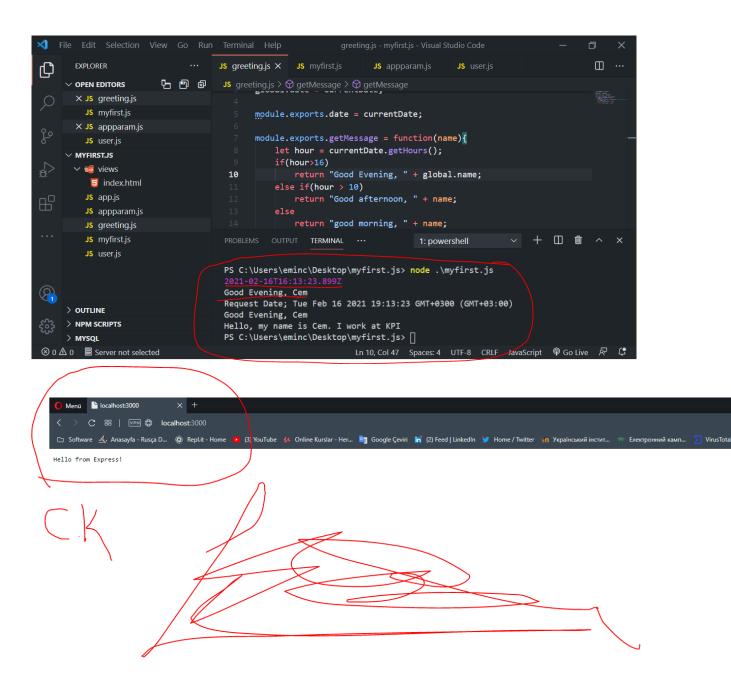
Faculty of Informatics and Computer Engineering Department of Computer Engineering

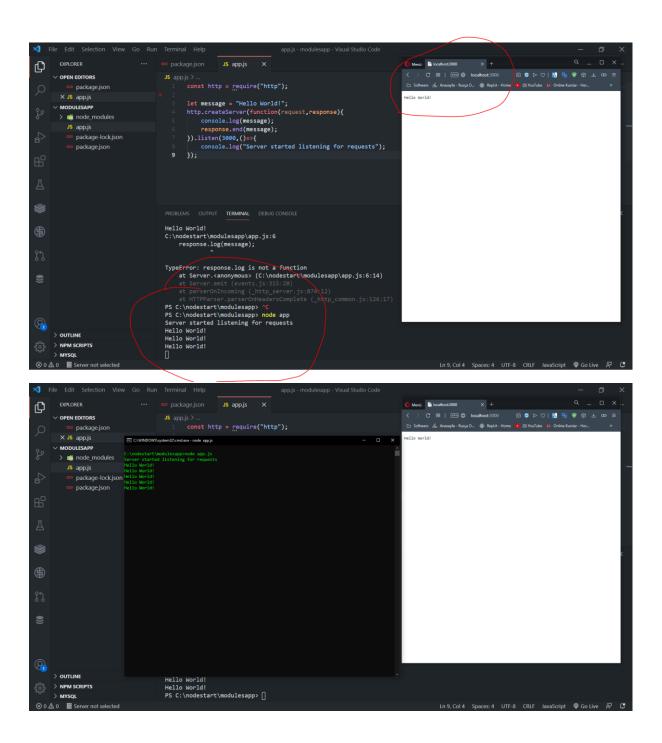
"Laboratory work 4"
"Node.js. Installation of modules. Node.js as a File Server"

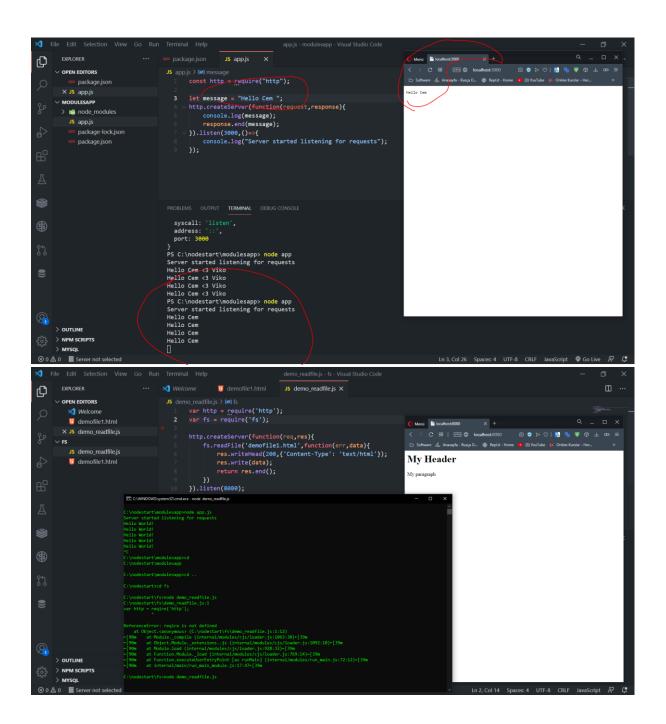
2nd year student groups of IP-98 CEM KOYLUOGLU

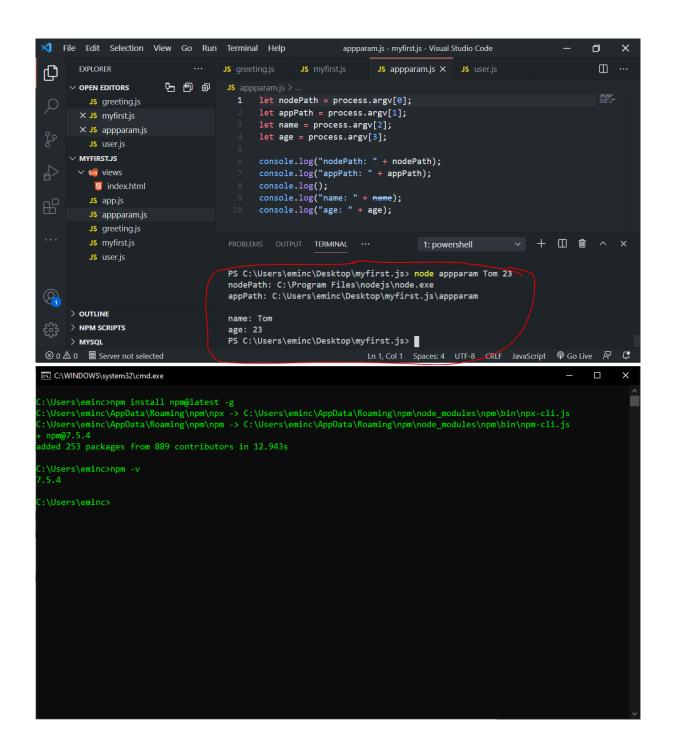


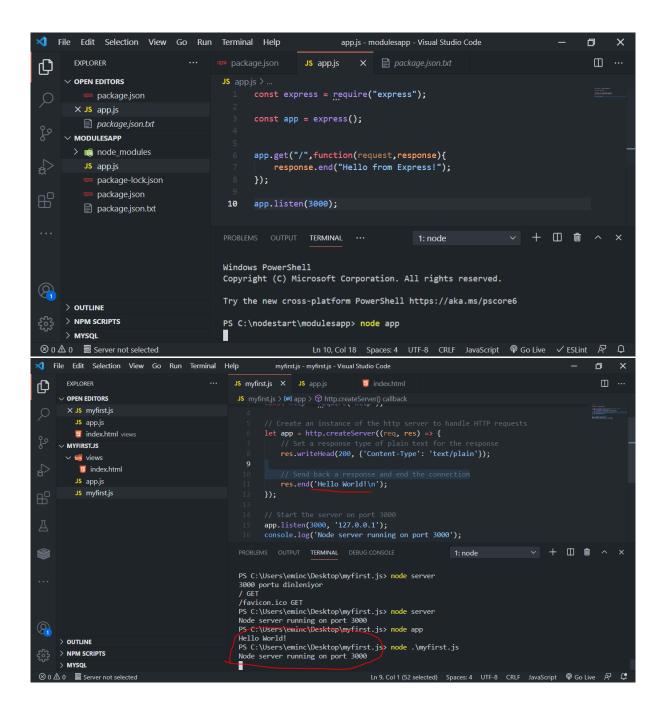


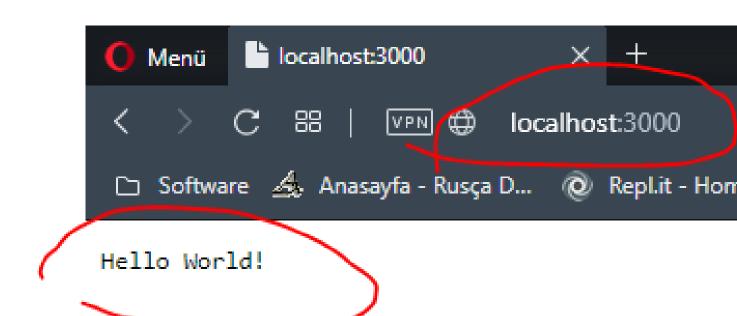












==ANSWERS==

What is Node.js?

Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on the Chrome V8 engine and executes JavaScript code outside a web browser

What is the difference between Node.js request processing and PHP or ASP?

PHP has long been readily straightforward to install and use on the server-side, and is powered by the Zend engine. **Node**. **js** is a runtime environment for JavaScript on the server side, powered by Google's V8 JavaScript engine.

What is REPL?

A read—eval—print loop, also termed an interactive toplevel or language shell, is a simple interactive computer programming environment that takes single user inputs, executes them, and returns the result to the user; a program written in a REPL environment is executed piecewise

What is the module for Node.js?

Module in **Node**. **js** is a simple or complex functionality organized in single or multiple **JavaScript** files which can be reused throughout the **Node**. **js** application.

What is NPM?

npm is a package manager for the JavaScript programming language. npm, Inc. is a subsidiary of GitHub, that provides hosting for software development and version control with the usage of Git. npm is the default package manager for the JavaScript runtime environment Node.is.

What is Express?

Express.js, or simply Express, is a back end web application framework for Node.js, released as free and open-source software under the MIT License. It is designed for building web applications and APIs. It has been called the de facto standard server framework for Node.js.

What is package.json file used for?

All npm packages contain a **file**, usually in the project root, called **package**. **json** - this **file** holds various metadata relevant to the project. This **file** is **used** to give information to npm that allows it to identify the project as well as handle the project's dependencies

What is Nodemon used for?

nodemon is a tool that helps develop node. js based applications by automatically restarting the node application when file changes in the directory are detected. **nodemon** does not require any additional changes to your code or method of development.

What is a localhost and what is it used for?

In computer networking, **localhost** is a hostname that refers to the current computer **used to** access it. It is **used to** access the network services that are running on the host via the loopback network interface. Using the loopback interface bypasses any local network interface hardware.

What Node.js modules for the file system do you know?

Module in **Node**. js is a simple or complex functionality organized in single or multiple JavaScript files which can be reused throughout the **Node**. ... js implements CommonJS **modules** standard. CommonJS is a group of volunteers who define JavaScript standards for web server, desktop, and console application.

How to read a file from the server and display the contents to the user?

- 1. Rename missingmen. txt to missingmen. html .
- 2. Add a single line to the top of missingmen.html : link href="txtstyle.css" rel="stylesheet" type="text/css" />
- 3. Create a **file** called txtstyle.css, and add to it a line like this: **html**, body {font-family:Helvetica, Arial, sans-serif}

What module is used to upload files to the server by the user?

The commonly way to **upload** data to **the server** is using FTP client. FTP (**File** Transfer Protocol) is used to transfer data from one computer (your personal computer) to another computer (webserver). FTP client looks like **File** Manager and you can copy (**upload**, download) **files** here from one computer to another computer.