

**Assignment 01**

**Training Program:** MERN Stack Development

**Trainer:** Ahsan Javed

**Topic:** Setting Up the Development Environment

**Due Date:** August 13, 2024

**Task 1: Download and Install Node.js**

* Download and install Node.js from its official website <https://nodejs.org/en>.
* After installation, verify whether it is successfully installed or not by running the following commands on command prompt and take screenshot:
* *node -v*

**Task 2: Download and Install VS Code**

* Download and install VS Code from <https://code.visualstudio.com>.
* After installation, open it and take a screenshot.

**Task 3: Download and Install Git and Signup to GitHub**

* Download and install Git from <https://git-scm.com>.
* After installation, verify whether it is successfully installed or not by running the following command on command prompt and take screenshot:
* *git -v*
* Signup to GitHub <https://github.com> if you do not have account. Otherwise, login.
* Take a screenshot of homepage of your account.

**Task 4: Research and Write a Short Answers**

Research and write short and to the point answers to the following questions according to your understanding in your own words:

* What is MongoDB, Express.js, React, and Node.js? Explain their purpose and role in the MERN Stack.
* Briefly compare the MERN Stack with other popular stacks (e.g., LAMP, MEAN). What are the key differences? Why might a developer choose MERN over another stack?
* Research and identify at least two real-world applications or companies that are built using the MERN Stack. Provide a brief description of each.

**Submission Guidelines**

* Create a word file. Write your name and answers to the above questions along with all the three screenshots in it. Clearly mention the Task # in it.
* Save the file with your name such as **fname-lname-a-01.docx**, where fname is your first name and lname is your last name.
* Send the file at [ahsanjaved@skilovate.com](mailto:ahsanjaved@skilovate.com) with subject **Assignment 01**.