Question 1.

Outline the entire process (and technologies) required to set up an HTTP server with PHP support.

Select a web server software that supports PHP and can handle HTTP requests. Then Install the chosen web server software on your computer following the installation instructions provided by the software. Make sure the web server is running properly. Download and install PHP on your system. During the installation, ensure that you configure PHP to work with your web server software. Open the configuration file of your web server (e.g., httpd.conf for Apache) and make sure that PHP support is enabled. You may need to uncomment or add specific lines to enable PHP. After making changes to the configuration file, restart the web server to apply the changes. Download the phpMyAdmin package from the official website and extract the files to a directory within your web server's document root. This will allow you to access phpMyAdmin through a web browser. Open the phpMyAdmin configuration file and provide the necessary database connection details, such as the database server hostname, username, and password. Open your web browser and enter the URL for phpMyAdmin. You should see the phpMyAdmin login page. Enter your MySQL/MariaDB username and password to log in to phpMyAdmin. From there, you can create, manage, and interact with databases, tables, and SQL queries using the web interface. Use a code editor or IDE to write PHP code for your applications. Place your PHP files in the appropriate directory within the web server's document root. Access your PHP applications through a web browser by entering the appropriate URL.