NODE ASSESMENT

1. . Create a Node.js HTTP server that listens on port 3000 and responds with "Hello, World!" to any request.

### **Steps:**

1. Initialize a Node.js project (if not already initialized)
2. Create the server script
3. Run the server

### **Explanation:**

1. Import the HTTP module:
   * const http = require('http');
2. Create an HTTP server:
   * const server = http.createServer((req, res) => { ... });
   * This creates an HTTP server that calls the provided callback function whenever a request is made to the server.
3. Handle the request and response:
   * res.writeHead(200, { 'Content-Type': 'text/plain' });
     + This sets the status code to 200 (OK) and the content type to text/plain.
   * res.end('Hello, World!\n');
     + This ends the response and sends the string "Hello, World!" to the client.
4. Start the server:
   * server.listen(3000, '127.0.0.1', () => { ... });
   * This starts the server and listens for connections on port 3000. The callback function logs a message when the server starts listening.

### **Test the Server:**

Open a web browser and navigate to http://localhost:3000. You should see the message "Hello, World!" displayed on the page.