Node.js, TypeScript, and Jest Testing Questions with Answers

11. What is the purpose of the IncomingMessage and ServerResponse imports in the code?

Answer: They are used to handle HTTP requests and responses in Node.js, allowing the server to read incoming requests and send appropriate responses.

12. Which module is used to create the server in this code?

Answer: The 'http' module is typically used to create a server in Node.js.

13. What type is assigned to the hostname constant?

Answer: The hostname constant is generally assigned a string type in TypeScript.

14. What value is assigned to hostname?

Answer: The hostname is usually assigned the value 'localhost' or '127.0.0.1'.

15. Which endpoint returns all tasks in the current task list?

Answer: The endpoint that returns all tasks is typically a GET request to '/tasks'.

16. What HTTP method is used to create a new task?

Answer: The POST method is used to create a new task in RESTful APIs.

17. How does the server identify a request targeting a single task by ID?

Answer: It uses a URL pattern such as '/tasks/:id' where ':id' represents the task identifier.

18. Which HTTP status code is returned when a task is successfully created?

Answer: HTTP status code 201 (Created) is returned upon successful creation of a resource like a task.

19. What does the getRequestBody function do?

Answer: It reads the body of an incoming request and returns it as a string in a Promise.

20. What is the purpose of the taskIdCounter variable?

Answer: The taskIdCounter variable keeps track of the next unique ID for newly created tasks.