

# Medium Basic

## 1. What is JavaScript?

**Answer:** JavaScript is a programming language used in websites.

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## 2. Is JavaScript frontend or backend?

**Answer:** JavaScript is used in both frontend and backend.

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## 3. What is a variable?

**Answer:** A variable stores data.

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## 4. How do you declare a variable?

**Answer:** Using `var`, `let`, or `const`.

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## 5. What is an array?

**Answer:** A list of values.

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## 6. What is an object?

**Answer:** A collection of key-value pairs.

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## 7. What is a function?

**Answer:** A block of code that does a task.

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**8. What is `console.log()`?**

**Answer:** It prints output in the browser console.

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**9. What is a loop?**

**Answer:** Used to repeat code.

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**10. What is `if-else`?**

**Answer:** Used for decision making.

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## ◆ React (Ultra Basic)

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**11. What is React used for?**

**Answer:** To build user interfaces.

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**12. Is React a framework?**

**Answer:** No, it is a library.

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**13. What is a React component?**

**Answer:** A small reusable UI part.

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**14. What is JSX?**

**Answer:** HTML written inside JavaScript.

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### 15. What is a button click event?

**Answer:** An action when a button is clicked.

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### 16. What is state?

**Answer:** Data that can change.

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### 17. What are props?

**Answer:** Data passed to a component.

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### 18. Can props be changed?

**Answer:** No, props are read-only.

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### 19. What is **useState**?

**Answer:** A hook to store data.

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### 20. What is a React app?

**Answer:** A web app built using React.

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## ◆ Node.js & Express (Ultra Basic)

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### 21. What is Node.js?

**Answer:** It runs JavaScript on the server.

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**22. Can Node.js run in browser?**

**Answer:** No.

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**23. What is Express?**

**Answer:** A backend framework for Node.js.

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**24. Why use Express?**

**Answer:** To create APIs easily.

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**25. What is a server?**

**Answer:** A computer that responds to requests.

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**26. What is an API?**

**Answer:** A way to communicate between frontend and backend.

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**27. What is a route?**

**Answer:** A URL path.

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**28. What is GET method?**

**Answer:** Used to get data.

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**29. What is POST method?**

**Answer:** Used to send data.

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### **30. What is JSON?**

**Answer:** A data format.

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## **◆ MongoDB & Database (Ultra Basic)**

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### **31. What is a database?**

**Answer:** A place to store data.

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### **32. What is MongoDB?**

**Answer:** A NoSQL database.

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### **33. Is MongoDB table-based?**

**Answer:** No, it uses collections.

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### **34. What is a document?**

**Answer:** A single record in MongoDB.

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### **35. What is a collection?**

**Answer:** A group of documents.

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### **36. What is Mongoose?**

**Answer:** A MongoDB helper library.

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### **37. What is CRUD?**

**Answer:** Create, Read, Update, Delete.

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### **38. What is `find()`?**

**Answer:** Used to get data.

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### **39. What is `_id`?**

**Answer:** Unique ID of a document.

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### **40. Where is MongoDB data stored?**

**Answer:** On the server.

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## **◆ MERN Stack Basics**

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### **41. What does MERN stand for?**

**Answer:** MongoDB, Express, React, Node.

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### **42. Which one is frontend in MERN?**

**Answer:** React.

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### **43. Which one is backend in MERN?**

**Answer:** Node and Express.

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**44. Which one is database?**

**Answer:** MongoDB.

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**45. How does frontend talk to backend?**

**Answer:** Using API calls.

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**46. What is Axios?**

**Answer:** A library for API requests.

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**47. What is localhost?**

**Answer:** Your own computer.

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**48. What is port number?**

**Answer:** A communication endpoint.

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**49. What is `.env` file?**

**Answer:** Stores secret values.

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**50. Why learn MERN stack?**

**Answer:** To build full-stack web applications.