Explain Hoisting (Correct Interview Answer)

Definition

Hoisting is JavaScript's behavior where variable and function declarations are moved to the top of their scope during the **memory creation phase**, before the code is executed.

JavaScript Execution Phases

- **Memory Creation Phase** – Declarations are stored in memory
- **Execution Phase** – Code is executed line by line

Key Points to Remember

- Hoisting happens during the memory creation phase
- `var` → Hoisted and initialized with `undefined`
- `let` / `const` → Hoisted but remain in the Temporal Dead Zone (TDZ)
- Function declarations → Fully hoisted
- Function expressions → Not fully hoisted

> 🎯 **One-Line Interview Version:**
> **Hoisting allows JavaScript to process variable and function declarations before execution, but their accessibility depends on how they are declared.**