1 Hoisting (Variables & Functions)

Hoisting is JavaScript's default behavior of moving variable and function declarations to the top of their scope before execution.

Hoisting in Variables
var is hoisted but initialized as undefined.
let and const are hoisted but remain in a "temporal dead zone" until assigned a value.

Hoisting in Functions

Function declarations are fully hoisted (can be called before their definition).
Function expressions (using var, let, or const) are not hoisted.
Example: Function Declaration Hoisting

hello(); // ✅ Works because function declarations are

hoisted

```javascript
function hello() {
console.log("Hello, world!");
}
```

Example: Function Expression Hoisting

```javascript
greet(); // ❌ TypeError: greet is not a function

var greet = function() {
console.log("Good Morning!");
};
```