- JavaScript Day 7 Notes Stack vs Heap Memory
- 6 1. Memory Management in JavaScript

JavaScript uses two types of memory to store data:

- 1. Stack Memory (Primitive Types) 🖈
 - Used for **primitive data types** (string, number, boolean, null, undefined, symbol, bigint)
 - o Stores a copy of the value
 - Changing the copied value does not affect the original
- Example:

```
let myname = "Pranay";

let anothername = myname; // Copying value

anothername = "codeguy";

console.log(myname); // Pranay ✓

console.log(anothername); // codeguy ✓ (Only copy changed)
```

- 2. Heap Memory (Non-Primitive Types)
 - Used for reference data types (objects, arrays, functions)
 - o Stores a reference (memory address) to the actual value
 - o Changing the reference affects the original object

Example: