**What is a user-defined constructor and its role in initialization?**

A constructor you create to **initialize object fields** with custom values when the object is created.

✅ **Role:** Sets values directly during object creation.

**Array vs Linked List (brief):**

| **Feature** | **Array** | **Linked List** |
| --- | --- | --- |
| Size | Fixed | Dynamic |
| Access | Fast (O(1)) | Slow (O(n)) |
| Insertion | Slow (shift needed) | Fast (update pointers) |
| Memory | Less (no pointers) | More (extra pointers) |