**✅ Part 1: Notes on Defect Life Cycle (Bug Life Cycle)**

The **Defect Life Cycle** (or Bug Life Cycle) represents the journey of a defect from the moment it's identified to the moment it's closed. Below is a **clear summary with phases**:

**🐞 Defect Life Cycle Phases:**

| **Phase** | **Description** |
| --- | --- |
| **1. New** | Tester finds a defect and reports it. It's marked as "New". |
| **2. Assigned** | Lead/Manager assigns it to a developer. |
| **3. Open** | Developer starts analyzing the defect. |
| **4. Fixed** | Developer fixes the defect and marks it as "Fixed". |
| **5. Retest** | Tester retests the defect to confirm the fix. |
| **6. Verified** | If the defect is fixed, it is marked "Verified". |
| **7. Closed** | If everything works, the defect is closed. |
| **8. Reopened** | If the issue still exists, it is reopened and sent back to developer. |
| **9. Rejected** | Dev may reject if defect is invalid, duplicate, or not reproducible. |
| **10. Deferred** | Defect is postponed for a future release due to low priority/severity. |

**🎯 Important Status Names to Remember:**

* **New**
* **Assigned**
* **Open**
* **Fixed**
* **Retest**
* **Verified**
* **Closed**
* **Reopened**
* **Rejected**
* **Deferred**