1. They are called Resiliency Patterns.
2. **Bulkhead Pattern**:
   1. This pattern is used in building a ship.
   2. Entire ship is split into small multiple compartments using Bulkheads.
   3. Bulkheads are used to prevent any ship from sinking.
   4. In case of flood, some compartments are compromised so saving the entire ship from sinking.
   5. Similarly, in microservice, resources should be isolated in such a way that failure of one component is not affecting the entire microservice.
3. 