Continuous Testing Flow

1. **Features**
   → New features are developed.

2. **Source Control**
   → Code is saved in a shared storage (like GitHub, GitLab).

3. **Build**
   → Code is compiled into a working application.

4. **Unit Test & Code Analysis**
   →

   - **Unit Test:** Small tests check if each part of the code works correctly.

   - **Code Analysis:** Automatic checks for coding mistakes and quality.

Deployment Stages

After the code passes testing, it moves automatically through these stages:

1. **Dev Environment**
   → Software is given to **developers** to check if basic functions work.

2. **QA Environment**
   → Software is given to the **testing team (QA)** to test for bugs and issues.

3. **Performance (Perf) Environment**
   → Software is tested for **speed**, **stability**, and **how much load it can handle**.

4. **Production Environment**
   → Final stage. Software is **released to real users**.