1. You are working on a software project that follows a Continuous Integration/Continuous Deployment (CI/CD) pipeline. The development team wants to ensure **automated testing and quality assurance** through various tools.
a. **Identify at which stages of the CI/CD pipeline the following tools are typically used:**
   ● **JUnit**

   ● **SonarQube**

   ● **Snyk**

   Provide the reason for using each tool at that specific stage and describe what kind of testing or analysis each performs.

b. **Describe how the use of these tools contributes to software quality and security assurance in the pipeline.**
c. **Provide commonly used metrics or outputs generated by each tool that help developers make informed decisions.**