White Box Testing Tools:

Some popular White Box Testing Tools used in software engineering:

1. Static code analysis tools:
    - SonarQube
    - Checkmarx
    - Veracode
    - Fortify
    - Coverity
    - Klocwork
2. Unit testing frameworks:
    - JUnit (for Java)
    - NUnit (for .NET)
    - pytest (for Python)
    - RSpec (for Ruby)
    - PHPUnit (for PHP)
    - TestNG (for Java)
3. Code coverage analysis tools:
    - Cobertura
    - JaCoCo
    - Clover
    - Bullseye Coverage
    - Emma
4. Debugging tools:
    - gdb (for C/C++)
    - Eclipse (for Java)
    - Visual Studio (for .NET)
    - Xcode (for macOS/iOS)
    - IntelliJ IDEA (for Java)
5. Performance testing tools:
    - JMeter (for Java)
    - LoadRunner (for .NET)
    - ApacheBench (for web applications)
    - Gatling (for Java)
    - The Grinder (for Java)

There are many other white box testing tools available, and the choice of tool depends on the specific needs of the software project.

Black Box Testing Tools:

Some popular Black Box Testing Tools used in Software Engineering:

1. Automated testing tools:
    - Selenium WebDriver (for web applications)
    - Appium (for mobile applications)
    - SoapUI (for web services)
    - TestComplete (for desktop applications)
    - Ranorex Studio (for desktop and mobile applications)
2. Penetration testing tools:
    - Metasploit Framework
    - Nmap
    - Burp Suite
    - OWASP ZAP
    - Nessus
3. Fuzz testing tools:
    - Peach Fuzzer
    - AFL (American Fuzzy Lop)
    - Radamsa
    - zzuf
    - libFuzzer
4. Load testing tools:
    - Apache JMeter
    - LoadRunner
    - Gatling
    - The Grinder
    - Siege
5. Accessibility testing tools:

- Axe (for web applications)
- AATT (Automated Accessibility Testing Tool)
- WAVE (Web Accessibility Evaluation Tool)
- NVDA (Non-Visual Desktop Access, for screen readers)
- VoiceOver (for macOS/iOS, also a screen reader)

There are many other black box testing tools available, and the choice of tool depends on the specific needs of the software project.

Grey Box Testing Tools:

Grey box testing tools are used to test software where some knowledge of the internal workings of the system is available, but not the complete knowledge of the system. Here are some popular grey box testing tools used in software engineering:

1. Dynamic analysis tools:
    - Wireshark (for network traffic analysis)
    - Fiddler (for web traffic analysis)
    - IDA Pro (for binary analysis)
    - OllyDbg (for binary analysis)
    - Hopper (for macOS binary analysis)
2. Fault injection tools:
    - Java Fault Injection Tool (JFIT)
    - FaultInjector (for Linux)
    - VUzzer (for binary analysis)
    - FRITZ (Faults via Runtime Instrumentation of the Linux Kernel)
    - TRex (for network packet injection)
3. Model-based testing tools:
    - SpecExplorer (for Microsoft .NET)
    - Conformiq Designer (for creating test cases based on models)

- GraphWalker (for model-based testing in Java)

4. Security testing tools:
    - Wfuzz (for web application security testing)
    - DirBuster (for web application directory brute forcing)
    - Sqlmap (for SQL injection testing)
    - OWASP ZAP (for web application security testing)
    - Nmap (for network scanning and vulnerability testing)
5. Coverage-guided fuzz testing tools:
    - AFLSmart (for binary analysis)
    - Honggfuzz (for binary analysis)
    - libFuzzer (for C/C++ code coverage-guided fuzz testing)

There are many other grey box testing tools available, and the choice of tool depends on the specific needs of the software project.