Difference betwwen SAST and DAST

What is SAST:

Static Application Security Testing (SAST), also known as White Box Testing, is a method of evaluating the security of an application by analyzing its source code, binaries, and other artifacts without executing the application. SAST tools look for security vulnerabilities and weaknesses in the application's codebase, such as buffer overflows, injection attacks, and cross-site scripting (XSS) vulnerabilities

What is DAST?

Dynamic Application Security Testing (DAST), or black-box testing, evaluates an application's security by executing it and analyzing its runtime behavior for vulnerabilities. DAST tools interact with the application as a black box, simulating attacks from external attackers and looking for signs of vulnerabilities, such as unhandled exceptions or error messages that reveal sensitive information.