Devops - Assignment - 08

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Class: MSc. C.S. B-21

1. Explain DevSecOps and all the terms.

DevSecOps (short for development, security, and operations) is a development practice that integrates security initiatives at every stage of the software development lifecycle to deliver robust and secure applications. DevSecOps infuses security into the continuous integration and continuous delivery (CI/CD) pipeline, allowing development teams to address some of today's most pressing security challenges at DevOps speed.

- Security: Security refers to the measures taken to protect a software system from threats, such as hackers, malware, and other attacks.
- Continuous Integration (CI): Continuous Integration is a practice that involves continuously integrating and testing code changes to ensure that the software system remains functional and stable.
- Continuous Deployment (CD): Continuous Deployment is a practice that involves automatically deploying code changes to production after passing a set of automated tests.
- Vulnerability Scanning: Vulnerability Scanning is the process of scanning a software system for vulnerabilities and weaknesses that could be exploited by attackers.
- Code Analysis: Code Analysis is the process of analyzing code to identify potential security issues and vulnerabilities.

2. Send the screenshot of SonarQube SAST analysis of code written in Assignment number 6.











