

CYBER SECURITY ASSIGNMENT QUESTION

DAY 28

- 1. Define a buffer overflow attack and explain how it exploits vulnerabilities in software systems.**
- 2. Differentiate between a stack-based buffer overflow and a heap-based buffer overflow.**
- 3. Discuss three consequences of a successful buffer overflow attack on a targeted system.**
- 4. Outline three common defense mechanisms against buffer overflow attacks in software development.**
- 5. Explain the importance of input validation in mitigating the risk of buffer overflow vulnerabilities.**