

# 7 Lecture - CS504

## Important Mcqs

**In Source and Sink Analysis, what does a "source" refer to?** a) Where information is originated b) Where information is stored c) Where information is processed d) Where information is transmitted **Solution: a) Where information is originated**

**Which of the following is a potential source of sensitive information?** a) Database server b) Firewall c) Intrusion detection system d) Load balancer **Solution: a) Database server**

**What is the main goal of Sink Analysis?** a) Identifying sources of information b) Analyzing data flows within a system c) Identifying potential vulnerabilities d) Designing security measures **Solution: c) Identifying potential vulnerabilities**

**Which of the following is an example of a sink in a web application?** a) Web server b) Database server c) User input field d) API endpoint **Solution: c) User input field**

**Why is Source and Sink Analysis important for security?** a) To identify potential attackers b) To identify potential vulnerabilities and data leaks c) To prevent unauthorized access to systems d) To monitor network traffic **Solution: b) To identify potential vulnerabilities and data leaks**

**Which of the following can be considered a sink in a network communication?** a) Router b) Switch c) Firewall d) Web browser **Solution: d) Web browser**

**What does a "sink" represent in Source and Sink Analysis?** a) Where information is originated b) Where information is stored c) Where information is processed d) Where information is consumed or received **Solution: d) Where information is consumed or received**

**Which of the following is a common vulnerability related to sources in Source and Sink Analysis?** a) SQL injection b) Cross-Site Scripting (XSS) c) Buffer overflow d) Denial-of-Service (DoS) attack **Solution: a) SQL injection**

**What is the purpose of analyzing data flows in Source and Sink Analysis?** a) To identify potential bottlenecks b) To ensure efficient data transmission c) To understand how information moves through the system d) To monitor network traffic **Solution: c) To understand how information moves through the system**

**Which of the following is an example of a source in a mobile application?** a) User interface b) Database c) GPS sensor d) Encryption algorithm **Solution: c) GPS sensor**