## 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