# Docker & OWASP – 25 MCQs

1. What is Docker primarily used for?

* A) Virtualizing hardware
* B) Managing source code
* C) Containerizing applications
* D) Building servers

2. Which command is used to create and start a new Docker container?

* A) docker build
* B) docker run
* C) docker start
* D) docker init

3. What is a Dockerfile?

* A) Docker log file
* B) Instructions to build a Docker image
* C) List of running containers
* D) Configuration of Docker daemon

4. Which command builds a Docker image with tag myapp:latest from current directory?

* A) docker create myapp:latest .
* B) docker build -t myapp:latest .
* C) docker run myapp:latest .
* D) docker compile myapp:latest .

5. What is the default filename used by docker build?

* A) build.yml
* B) docker.config
* C) Dockerfile
* D) image.txt

6. Which command lists all containers, including stopped ones?

* A) docker ps
* B) docker ps -a
* C) docker list all
* D) docker all

7. What does the -d option in docker run do?

* A) Deletes the container after exit
* B) Runs the container in detached mode
* C) Runs the container interactively
* D) Displays Docker version

8. Which command runs an Nginx container mapping host port 80 to container port 80?

* A) docker run -p 80:80 nginx
* B) docker run nginx:80
* C) docker start -p 80 nginx
* D) docker exec -p 80 nginx

9. What does the --rm flag do in docker run?

* A) Removes the image
* B) Removes the container after exit
* C) Restarts the container
* D) Removes all volumes

10. Which of the following is a Docker orchestration tool?

* A) Vagrant
* B) Kubernetes
* C) Nagios
* D) Terraform

11. Which command copies files from host to Docker container?

* A) docker save
* B) docker copy
* C) docker cp
* D) docker export

12. What is the default Docker network driver?

* A) bridge
* B) host
* C) overlay
* D) macvlan

13. Which command removes a Docker image?

* A) docker rmi
* B) docker rm
* C) docker delete image
* D) docker image stop

14. What does OWASP stand for?

* A) Open Web Application Security Platform
* B) Open Web Application Security Project
* C) Open Wide Application Security Project
* D) Official Web App Security Program

Ans: B) Open Web Application Security Project

15. Which OWASP Top 10 risk refers to 'Injection attacks'?

* A) A01
* B) A02
* C) A05
* D) A09

16. What does XSS stand for in OWASP context?

* A) XML Security Standard
* B) Cross-Site Scripting
* C) Cross-System Security
* D) External Site Spoofing

17. Which OWASP risk involves weak password handling and authentication flaws?

* A) Broken Access Control
* B) Cryptographic Failures
* C) Identification and Authentication Failures
* D) Security Misconfiguration

18. SQL Injection falls under which OWASP category?

* A) A01 – Injection
* B) A04 – Insecure Design
* C) A07 – Identification Failures
* D) A10 – SSRF

19. Which OWASP category includes default credentials and unnecessary features enabled?

* A) Broken Access Control
* B) Security Misconfiguration
* C) Vulnerable Components
* D) Software Integrity

20. What is CSRF in OWASP Top 10?

* A) Client-Side Resource Failure
* B) Cross-Site Request Forgery
* C) Critical Security Risk Factor
* D) Container Security Risk Framework

21. Which OWASP category refers to vulnerable and outdated components?

* A) A04
* B) A06
* C) A08
* D) A09

22. Which OWASP risk involves failing to log and monitor security events?

* A) A05 – Security Misconfiguration
* B) A07 – Identification Failures
* C) A09 – Logging and Monitoring Failures
* D) A10 – SSRF

23. What does SSRF stand for in OWASP?

* A) Server-Side Request Forgery
* B) Secure Software Risk Factor
* C) Session Security Role Failure
* D) Software Security Risk Framework

24. Which OWASP practice focuses on encrypting sensitive data in transit and at rest?

* A) Cryptographic Failures
* B) Broken Access Control
* C) Security Misconfiguration
* D) Insecure Design

25. Which OWASP category highlights insecure CI/CD pipelines and software supply chain risks?

* A) A03 – Injection
* B) A06 – Vulnerable Components
* C) A08 – Software and Data Integrity Failures
* D) A10 – SSRF