**DAY 22**

Web server:

SMB service which runs on web servers where this service is used to transfer files between devices in the network. Access the server remotely.

SMB (Server Message Block)

Port number: 445

SAMBA

It has remote code execution vulnerability

🡪In windows operating system

NVD- National Vulnerability Database

Web application attacks:

Vulnerabilities:

OWASP – Open Web Application Security Project

Top 10 web application vulnerabilities by OWASP:

1. Injection

2. Broken authentication

3. Sensitive data exposure

4. XML external entities (XEE)

5. Broken Access Control

6. Security misconfiguration

7. Cross site scripting

8. Insecure deserialization

9. Using components

10. Insufficient logging and monitoring

**1. Injection:**

a) SQL injection

b) OS commands

c) LDAP injection

**2. Broken authentication:**

a) Login functionality

b) Session ID

c) Passwords

d) No two-factor authentication

e) No rate limit – bruteforce attack

**3. Sensitive data exposure**

a) If no restrictions given for unauthorised users

b) No restrictions for internet robots

**4. XML external entities**

**5. Broken Access Control:**

The restrictions for authorised and unauthorised users isn’t properly maintained regarding the access controls