**Basic Authorization:-**

**Basic Authorization** is an HTTP authentication method where the client sends a username and password encoded in Base64 within the request header. It’s commonly used for simple authentication scenarios but is not very secure on its own since credentials are only encoded, not encrypted.

**Environment Setup**

* **Description of OWASP BWA Level 1**
  + **OWASP BWA is a collection of vulnerable web applications for security testing and training.**
  + **Level 1 typically includes basic security flaws suitable for beginners.**
* **Test environment details:**
  + **Virtual Machine setup with OWASP BWA**
  + **Tools used: Burp Suite, OWASP ZAP, Wireshark, and Browser Developer Tools**

**Testing Methodology**

* **Security testing approach:**
  + **Information gathering and reconnaissance**
  + **Intercepting requests using Burp Suite**
  + **Analyzing Authorization headers**
  + **Attempting to decode Base64 encoded credentials**
  + **Testing replay attacks and credential reuse**

