**Digital Signature Project**

**Objective: Securely sign a confidential file using an SHA256 digital signature and verify its integrity to detect any corruption or unauthorized modifications.**

Step 1: Generate a private key

A screenshot of a computer

Description automatically generated

Step 2: Generate a private key

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Step 3: Sign the confidential file with a SHA256 signature

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Step 4: Verification shows “Verified OK” before the file is corruptedA screen shot of a computer

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\*Malicious Attacker corrupts the file\*A screenshot of a computer

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Step 6: Re-verify to see that the verification displays “Verification Failure”A screen shot of a computer

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