CSS Assignment -2 Bhatt Pranjal Deepar Assignment 2 3-4-25 Discuss RSA de a digital signature algorithm RSA (Rivest -Shamis -Adlemond is a widely used public key crypto graphic algorithm that can be used both for encryption + elyital signatuor When used as a digital signature algorithm IRSA provider authentication , dala integrity & non repudiation How RSA Digital Signatures work. O Key anerabion: A user generates two keys: Private key (d,n): Kept secret Public Key (ern) - Shared with others The keys are generated by selecting two large prime number and computing n= pot + q & they deriving a & Signing Process: The sender create a hosh of the message The hash is then encoypted using the sender private key! Signatus = CHash d mad n signiture is sent along with the message 3) Verification Processi The receiver computes the hash of the received message the received signature using the senders public key: Decrypted Hash = (Signature) 1 emoula If Decrypted Hash motoses the computed mesage hash, the signature is vall. Advantages: O Prover security. Supervisor's Sign.

Bhatt emanjol
B030

Exalvate the finding

Once the ralmerabilities have been identified, gov

noed to carrefully evalvate the inpact those volu

-ora bility should be prioritized according to its impact

(i) Fix the findings

The findings from penetration testing are then fixed

in order of their impact fixing the Pinding is a

crucial step to ensure that the attacker connot

exploit them.

3-4-25