TERMWORK 3

NAME: KEERTHI D

USN: 2GI23IS20

Enter an IP address to check (or type 'exit' to quit):

192.168.1.1

IP address 192.168.1.1 is allowed.

Enter an IP address to check (or type 'exit' to quit):

192.168.1.5

IP address 192.168.1.5 is blocked.

Enter an IP address to check (or type 'exit' to quit):

10.0.0.1

IP address 10.0.0.1 is allowed.

Enter an IP address to check (or type 'exit' to quit):

127.0.0.1

IP address 127.0.0.1 is blocked.

Enter an IP address to check (or type 'exit' to quit):

192.168.1.2

IP address 192.168.1.2 is allowed.

Enter an IP address to check (or type 'exit' to quit):

exit

NAME: KEERTHI D

USN: 2GI22IS020

Enter password length :12

Generated Password : Ab3@xY9#Lm2!

Enter password length :4

Generated Password : Qe5!

Enter password length :3

Password length should be at least 4

Enter password length :-5

Password length should be at least 4

Enter password length :20

Generated Password : pL8#Qy@3Zm&1BvR!cK2

Enter password length :

12

Generated Password : Lk9@Gt5#Rp2Q

Enter password length :

12

Generated Password : Wf3!Rx4@Mm7P

Enter password length :

8

Generated Password : aF5!tP9#

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USN: 2GI22IS020

Output

Scanning ports on 127.0.0.1 from 1 to 1024

Port scanning completed.

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Output

Enter the text to be encrypted:

hello how are you

Enter the shift value:

3

Encrypted Text: khoor krz duh brx

Decrypted Text: hello how are you

NAME: KEERTHI D

USN: 2GI22IS020

Output

Case 1:

Digital Signature generated.

Signature verified. Message integrity and authenticity confirmed.

Case 2:

Digital Signature generated.

Signature verification failed. Message may have been tampered with.

TERMWORK 8

NAME: KEERTHI D

USN: 2GI22IS020

Output

Enter the URL to check:

http://example-phishing1.com

Alert: The site is malicious (phishing)!

Enter the URL to check:

http://example-phishing4.com

The site is safe.

Open ended

NAME: KEERTHI D

USN: 2GI22IS020

Open ended

Output

Rendering vulnerable page:

```
<html>
<head><title>Example Vulnerable Page</title></head>
<body>
<h1>Welcome to our website!</h1>
<p>Hello, <span id='username'></span>!</p>
<script>
var username = '<script>alert('XSS attack!');</script>';
document.getElementById('username').textContent = username;
</script>
</body>
</html>
```