01/04/2024 Cybersecusity.
1) Networks 2) Vulnuability [Hashcat - Password Cracking tool] 3) Brut Josce. 1) RAT - Remote Access Trojans.
5 Data Securing, Safeguarding
(ii) Administrative Control (iii) Logical Control.
(1) Port scanning
(8) Protocols [TCP / UDP] Software & Hardware Connecting - Software & Hardware
7CP - 65,535 ports UDP - 65,535 ports
ports - entry gate
https - 443 TCP port
http - 80
-) http Vs https
-) Blockchain
-> Exploît
-) SQL injection
-) Spession hijacking without tesermone,

-) PRIMIN 7 DNB poissioning -) IP adolus -) Conyptography -) ARP poinioning -) cloud - spoofing -) Hashing (Db - Userram, Parmord) - metasploit - Backdoon - Hacking? Ly gaining unauthorized access -) Ethical Hacking Ly gaining renauthorized acress with written Concern. - Web app. penetration testing - Web page -) Website Webserver - which computer - Webapplication - user interaction -1 System Secure Coding. -1 707

- (1) offensive attackers (Red) (2) Defenive - Soc - Security operation Center (Blue) Analyst. (3) Puple - (Both)
 - Hackers Nr. Robert Black Gray White Combination of Both. Zero knowledge -) Software Architectue
 - 1 Script Kiddies
 - 3 Hacktivism
 - 3 Blue Lat
 - @ state sponsored hacken
- -) Wikileaks
- -> BYOD T Bring your own Device

- CIA Q
 - O Confidentiality
 - 1 Integrity
 - (3) Availability

Authetincation - Verifying Authorization 9 - Permission to access (07) Access Control) (AC)

- +) Biometric,
- Authentication
- 1) Something you know
- (3) something you have Audhaus Coud, Phone
- (3) Something you are

VAC Pop lyp

- -> & factor authenticat
 - (1) Usermane
 - (2) Pars
 - (3) (Histt) Secret a

INTEGRITY

- Honest, originality
- No modification us transmission.
- -) Secured Socket Layer (381)
- -> Encryption
 - * Conversion of clear tent cyphin

text

- * Availability
- * Web Server,

-> Breach - Loss of Control
→ Event - → Error - Bug Deviate from requirements On til
-) Event - Observable occurrence ? [-) Antistrus
-> Exploit - Particular attacks.
- Methodologies
-) Incident - which affects CIA
-) Intrusion -
-> Intrusion - -> Threat - Potential to Cause damye likelyhood Simpact. -> Vulnerability - Weakness A Rask. Severiety-1
impact. ? Risk. Severiety-1
-> Vulnerability - Weakness
- TOF - Target of Evaluation
XX
IPV6
JPV4 128 bits
32 bits 1 Hex > Abits
-) Decimal AAAA: EEFF:
16
-> Hexa
127. 0.0.1 - Localhost.

127. 0.0.1 - Localhost.

My SQL-3303 port number.