Page No: Rall. No.: 51810003 Subject : Cyber Security Subject tode: MCA-303 (a) Nessus News is a temote security scarring tool, which scans a computer & vaises on alest if it discovers only vulnerabilities that malicious hackers could use to gain access to any computer you have connected to network. Newsus provide highly-accurate ecanning with low false positive and nessure can be scalable to hundreds thousand thousand of system in a network and it is easy to deploy 0 and maintaince. It is easy to sperate. 0 Murch is brown as network mapper. It is a copier 0 source tool for butens & vulenerability escanning and 0 Network administrators use Nmap to Identify what devices are surring on their systems, finding open posts and detecting seasity risks. Most of the time the open posts is the main scason for 7 0 50 a system harber with help of spen posts a harber can get access of a system and stole the data. 00 Map uses Il address packets to identify all the devices connected to a network & to provide Information on the service and operating systems 

they are shring. It can perform rad rapidly scan large networks. Nmap determine the services like application name & version which host are offering, speciating system & version of as they are surving, type of packet filet filter or firewall in use etc. So, Nmap provide very useful information of a network.

(c) Netcat Net cat is a computer network utility for reading from 4 writing to network connections using TCPOX UDP. The command is designed to be dependable back-end that can be used directly as casily driven by by other program. Netcat h a general-purpose command line tool for reading, writing, redirecting and encypting data accross a network. Netcat handling a wide variety of security testing & administration task.

Attacker yestorm a phirming attack in several

steps!

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C-7

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i) planning: First attacket plans the attack in which they flow nobe a flow of use man mailing, address collection techniques from targeted house or address collection techniques from targeted house or osgavization or an individual person 1i) Setup: He utet up enails or webpages to collect

the data about the target.

6 Page No: (3) 6 (C) Attack: In this step attracker attacks, he send 9 an se email, as or a message to target which looks like source à a message is gressions from S teal or trusted company. 9 (d) collection: After the attack, attacker record all the information of the the torget entering into webpages. 4 6 (e) Identity theft and froud! After collecting all the information, attacker use the information to make illegal purchases. To present phishing: In tried phishing once in BCA days, I make a clone of fact of facebook' login page & sends its to my priends. The login page was real but when they put id & fassward in it the page will send data to me. Bo So I think one think get to ben knew that time is that if you entered wrong information in the webpage and submit as login, then if on you cuter the your id & passag password again on that reloaded hage then the information will not send to the attacker it will directed to the main server of the If you have any.

Devail of service is an attempt to make a machine or network resource unavailable to its intended users abox attack may do the following like 'flood the Fraffic", disrupt service to a specific system or person There are many software available you use to send multiple request at same time on an one server to, their server resources g. is unaviable. There At we Many More atta dos attack like bardwidth, logic, protecol attacks which can be used for a tra target server. To prevent DOS attack their filtering requests which can fit filter all the request & drop the those request which is comming continously from the same ipaddress. Moving Is also help to prevent from DOS it will move the site's if address to another if address The last oftion to prevent DOS is "Blackholing!
in this the request is direct to an address that doesn't exist. 40 online password crack In online parsword crack the an attacker execte a sight automated program which try \* each password until find the right passwords.

age 110...(....

Page No: (5) The most popular online attack is man-in-the middle attack actual transmission

Request Server

(Man-in-the-middle) for ex. Went & send the request to server but Man-in-middle capture the client request and he can do what he want like change the bornard copy the data etc. there and then bornard request to the server. Mostly used used to obtain passwords for email accounts on public websites like Grmail, facebook etc · Effline password crack means the order password & is not & sending by the request. Example for offline password corach is we but a password on our computer and computer doesn't saved the password in simple text. In this the attacker uses our eyetem and saved & copies transfer it into storage device and then try to decrypt the password, that Offline parsword crack performs by the attacker.

Page No:

1) - Unauthoxibed copying, extracting & downloading of any data. - Inauthorised access to computer, & computer system or computer network - Introduction of virus - Danage to computer system & network - Devial of access to authorised person to conjuter - Providing assistance to any person to facilitate unauthorised access to a computer. - Charging the service availed by a person to an account of another person by tampering & naripulation of 1 other computer. - Hacking with computer system - Tampering with computer source document - Unauthorized accord to protected system. for offences the person shall be liable to pay damages by way of compensation not exceeding one crosse rupees to the person so affected. ds. Yes, it is possible to jetch the webpages susjed by any user in the past with the help of ithe person's grail account you can jetch not only the information about the webpage with not only the information about the webpage

you can also see how many time the victim

Page No: 1

Spen a whateath, but instagram, facebook, throme, webpages etc. browned beeps the track of all of our phone mobile's phone's activity so we can fetch the webpage also.

Soul injector can be used to g get a database of we brite.