3/8/23 Wireshark wireshark, a powerful spein-source retwork protocal analyzer; empowers retwork profesionals to emploie of understand the inticacies of data transmission arrows networks. Huis tool plays a privatal sole is diagnosing network issures, optimize performace and ensuing sobust security neaures. In this white-up, we delive into the core functities of wirestock and highlight its significance in network analysis Functionality overview:

i) Parket capute of Filtering.

wiveshoulds frimary function lies in capturing network packts from various interfaces: Its flemible filtering of thems graphe were to capture of either of to office based on protocols, sours / distinction Valdreiter and even prejurals within packet paylodes. il) Real-time Analysis: winesharp's real-time monitoring capabelity is invaluable for observing origing network activities. This feature aids in defending Sudden traffic spines, unusual protocol behaviour, and unauthorized network asage. cizagi. 11) Protocol Analysis: It decrypts encrypted protocol
Sifering insights into secure commission method

figmented packets. V) satistical Enformation Presents statistical analysis of captured data vi) color-coded visualization: Employs color-coded packets to indicate various asports ouch as error - ble interface where users can choose which fields to disflay of how to arrange them. 1) In the 1st window, select ethernet. (i) Filter TCP or any require protocol (1) Drop down: Transmission control Motol, S ch Port: 62/48 DS+ Port: 453, seq:2, Ach: 65, Len: 6 V) This is avalial available in the prev windows in the left split of screen Vi) diching on droposown of vit, diching on any of them brightights its counterpart in vight split side of screen vi) In and, type is > ipconfig IN PESULT: Windows IP configuration Etheret adapter Etheret: comedian-specific DNS suffix. 3/1/23 link-boat IPVS Adelres ... : febo: be 75: 600 ed 25: e329/1 IP v4 Address ... . 10. 124.2.83 Subnet Marh . - - : 255.255.0.0 Default gateway . . : 10,122.0.11