2.00	Assignment -3
	the series of the series are the series of t
	Aim - Write a ferogram to demonstrate authoriting and find the authorit marks.
4.5	find the subnet marks.
and but	what is the hard that the harket is interested
900	Objectives - 1. To understand structure of IP addresses and subnet masks.
	1. To understand attructure of IP addresses and subnet
	marks.
	2. To understand concept of subnetting and recate subnet of given IP address.
0	subnet of given IP address.
	SHUB A
	S/W and H/W Requirements -
	Java Development Kit (JDK), Linux/Windows 10,
	i7 Reviewer, IntelliJ IDF, Keyboard, Moure, etc.
	If clearly in decimal relation:
•	Theory-
	-> subnetting -
	subnetting is a process of dividing large
	networks into amaller networks based on layer 3 IP
0	-address. Every comfaster on network has IP address
	that referent ill location on network.
	Two versions of IP addresses are available IPV6
	and IP v 4.
-ch	dubrak Haxh is a 32- Sid down address ward
	IPV4 Wille Andrewson mountain Avenuality
	IP addresses are displayed in datted decimal
	motations and afficar as four numbers affarated
1883	by dats. Each number of an IP address is made
	from eight individual bils known as ortet.
Sundaram	FOR EDUCATIONAL USE

Each ordet can create number value from 0 to 255. An IP address would be 32 bit long in binary divided into the 2 components, NETWORK and HOST component. Network component is used to identify the network that the packet is intended yer, and host component is used to identify the individual host and a network. Il address are broken into two components -Network component - Defines network component of a device. Host component - Defines the apecific device of a particular network segment. Il classes in decimal notation: i) Class A: 1-126 ii) Class B: 128-191 iii) class C: 192-223 in) class D: 224-239 V) Class E: 240-254 dubnet Marks dubnet Hack is a 32-bit long address used to diatinguish between network address and host address in IP address. Subnet mark is always used with IP address. duloned mark has only one furface, to identify which fart of an IP address is network and FOR EDUCATIONAL USE Sundaram

		host feart.				
	0.0	FEL-1. 23(,52) - 93 (,53),52;				
•	Algorithm -	dubner Sange #2:				
	- 0 1 0	70 - 11 - 11 - 11 - 11 - 11				
		IP address from the use				
		decimal notations of IP a				
	in treory	determine the class of I	A iti all the			
0	- Print the class of IP address and it's default					
	subnet ma	uste.	1 - 1 - 1 - 1 - 1			
2	- Nek you	number of aubnets (must	be in feower of 2).			
**	- Paintale	the aubnet mark and fe	ant.			
	- Print the number of addresses and hosts available for each aubnet.					
	- There lain	t ranges of IP addresses	-0 -01 +0-0			
	auborets.	ranges of a valuesus	of all we			
	Autorius.					
	Text ranes					
	120.					
9	Infeut	Enfrected OIP	Result.			
1.	IP address:	IP Address C: C	ducess			
	192.168.1.1	Refault Subnet Mark:				
		255. 255. 255. 0				
	Subnets: 4	Pier submets there are				
		64 address & 62 houle				
		dubnet Range # 0:				
		192.168.1.0-192.168.1.63				
Sundaran		FOR EDUCATIONAL USE				

		dubnet Range #1:			
		192.168.1.64 - 192.168.1.1	27		
		Subnet Range #2:			
		192.168.1.128 - 192.168.1.	.191		
	*545	Bubb Subnet Range # 3		d did	
both	many march	192.168.1.192 - 192.168.1.			
	Te address	la war with antonness			
41.	alsh it has	weekle at the wall	2013		
				Assertion !	0
-	Conclusion -	your Standay is wilm			
	Thus, 4	we were successfully a	ble to	inflemen	17
111				1. (00	-
	subnetting ,	and submet mark unime	a Ass	agam lag	
delin	subnetting a	we were successfully a and subnet mark using	g fres	gram ifor	
delin	· semerana	en.	LINE D	Charles Park	
delin	· semerana	and subnet mark using	LINE D	Charles Park	
detir	· semerana	en.	LINE D	Charles Park	
d alta	· semerana	en.	Anie.	then y	
d elic	· semerana	en.	Anie.	Charles Park	
delie	· semerana	expedito The la regiona.	this.	de contra	
Notice	· semerana	en.	this.	then y	
A ptio	· semerana	Colorados OSE	- 4.14	tugat	
	· semerana	Alo Calenda Die	- 1,11	Test Ca	
	· semerana	Expected Off	- 1,11	tugat	
detie	· semerana	Enforted Off The Edward Sichers Sefault district Hark:	sind .	Took to Take t	
	· semerana	Separated Offer Section of Sectio	sind .	Test Ca	
A skins	· semerana	Enforted Off The Edward Sichers Sefault district Hark:	sind .	Took to Take t	
	· semerana	Superior of the oddrews in the control of the contr	sind .	Took to Take t	
	· semerana	Superior of the address. St. Eddress C.: C. Default district slock: Est authorist there are Est address & C. Easter St. address & C. Easter St. address & C. Easter	sint .	Took to Take t	
	· semerana	Superior of the oddrews in the control of the contr	sint .	Took to Take t	