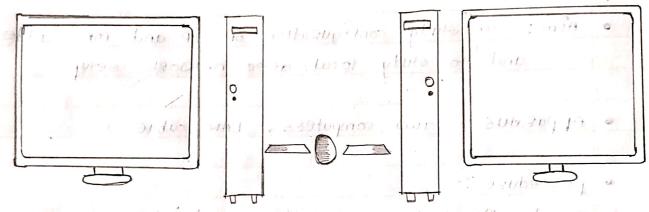
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DEPARTMENT OF ELECTRONICS

Patr	HI suzaj skantazam	
lass: Syb	Roll No. : Batch :	
periment No.	o. : Performed Date : / /20	
le of Experim \૦ ભ	ment: configuration of IP and MAC address and	
	Serge.	REMARKS
•	Am: To study configuration of IP and MA	r addeess
	and to study local after network sety	P.
<u>"</u>	Appaeatus: Two computees, LAN cable.	
1132		
•	béocegnée ;-	
ਬ,	GO to control panel > Network and internet >	netwoek and
	shaeing centee-> change adaptee settings.">	
2.	click on "change Adapter setting," This will	Eeveal
	different connections, select the appropriate	connection
	for your LAM. usually, but not necessari	
	connection will be called ethernet.	7
3	Right-click on the connection and select ec	peoperties"
	This local asea's connection properties is	ira wobni
	appeas.	.,
4.	under the network tab, tab scient inter	net peatorol
	ueesion 4 (TCP/IPV4), "> then click on " per	
S .	In the properties menu, set the IP address	
.4,	masks of the fiest computee to :-	
	• =P - 192.168.0	
	e Subnet mask - 255,255,255,0,	
		_

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Land 2 1660 to 1 to 12 to retering the loss (1600)



constant control parels wetter and interest s not a secure controls control

eight - chick on the convention and select if spectifics;

one of 300 mests and the set of t

10.831 CB1 11.0

older see see year hills

	Repeat all the above steps for the second computer	
G	and set the 3P address and subset mask as follows:	
101	and set the 37 dagsess many source party party	
	subnet mask- 255.255, 255,0	
	me was head back to	
7	network and shorting centre and click on the change	
AL CIAL	advanced sharing setting option in south but	
10108.	enable the ", then on wetmock gie conesh, and " then ou	
10000	authomotic setup of network-connected devices moptions.	
1411 - 9		
6000	of change setting 22 change " This reevers at window with	
20 11	the name of the workgroup the value for the workgroup	
Bucr. H	name should be the same be both pcs. By defauts the	
and the second second	moskdsonb name min ps moskasonb , post non course	
	14 to any uname syou like to 12000 21 Hola bood	
16.	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	ee alup accession to options and click advanced setting?	
1190	11 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
# 3020	with drowton soluginos prais palkogistison ostusti.	
	This severs the advanced sharing window, there is have	
a wen	this Holder suche expose and weller apply > ok?	
01122	obo noite of how noited Thiratel 200 kanking yacastan .	
u II	at this page you will be have sucressfully connected the	
	two computers to share your drives between them.	
4.0		
•	Theory '-	
· Min	local ased vetwork (IAN)	
· 10 30	a roral ased network (LAN) is a correction of devices	

connected together in one physical location, such as a building, office, or home. A LAN can be small or large enterprise network with thousands of users and devices A LAN comprises cobles, acress points, switches, eouters and other components that enable devices to connect to internal servers web servers and other LANS via wide aged vetmosk, boda transfer for and speed of 1011 LAN PS. High + c 10,0mbps) when to who with water The components used in LAN are layer 2 devices like switches, beidge and layer a devices like hubs, sepecters, 21 HAJIL 30339 Noissimens fours double should be shipped the easier to maintain at replatively low rosts as it rovers la selatively small geographical ased In LAN high bandwidth is qualiable in the integramission. Da seele in troca voy guitte gitt no thus Holy or -: (2293pp 45) 2293pp losoto34 + +9032toz An IP address is a numerical label assigned to each derice basticibation in a combates vermosk that uses the internet protocol tos communication. AN IP address serves two principal functions: host of network interface identification and location adressing. TWO NESSIONS OF THE INTERNET PROTOROI (IP) are in use: TP vession 4 and IP vuession 6. J. JPU4. address space to 4299967296 (232) possible unique adress.

2009 aggress are canocally represented in dat- deginal notation, which consists of four decimal numbers, each sanging from 0 to 285, spreaded by dots: 6.9. 172.16.254.1 Each past sepsesents a group for 8 pile (octet) or the . The higher-order bits of the address make up the network part of the address and are and the state of the state of o The east constitudes the host part to the address. In addition the host past of the address can be divided further to allow the a sub network adress. 10 111 15 to 1020 State 10 831 010 22 15 1de 1 Topus was originally designed because the no. of avoilable unregistered IPV4 addresses was EUNning 10W. Because TPUE uses a 1128-bit addressing ocheme it has more than a ochinion times as they many availble address as JPU4 also, instend of expresenting the binary digit as decimal digits. IPU6 uses eight sets of four hexaderimal digits. like so! 3FFE; 0800; 0800; 0002; 0000;0000; 0000; 000C. + media acress control address (MAC address), The MAC address is a unique value assigned to q network intertace controlles (420), MAC addresses use Oso known as hardware address or physical address, They uniquely identify on adaptes on a LAN, MAC.

	sub layer of the data link layer.
1 1 -	MAC addresses are 12 digit hexadecimal numbers. By
17.4	convention, mac address are usually weithen as the
12 (Following Format:
	ww:ww:wwiss;ss:ss of ww:ww-ww-ss-ss-ss
	The first hat on a mac address contains the 10 number of
116	the adapter manufacter. These Jo's are regulated by an
	iternet standards body (see sidebor.). The second half of
	a mac address eppresents the serial no assigned
111 - 3	to the adopter by monufacture.
	ed to rette to the proof the privile.
*	Result : Other live to not water of profession
j	The IP is 192.168.0.1. This used to shape the Aile
	of the folder.
/ 10	And the come I beginne propries and were
*	conclusion +
114	we have studied about the IP, LAN and it types and
	MAC. too. He is production in making the
1	weekl the emission to be seen the proper
1 1	to be to be to be the west of the define
1.00	, south a series of the series to get a
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111	- MARIE CO DE STATE DE STATE DE LA PRINCIPA DEL PRINCIPA DE LA PRINCIPA DEL PRINCIPA DE LA PRINCIPA DE LA PRINCIPA DE LA PRINCIPA DEL PRINCIPA DEL PRINCIPA DEL PRINCIPA DE LA PRINCIPA DE LA PRINCIPA DEL