	The special section of the section o	PAGE NO: DATE: 27/11/2024
	LAB-07	
	and the street of the last of the street of	
01.	Objective:	
L. C.	Objective: Configure OSPF porting protocol.	
	Topology:	
	20,0,0,1 20,0,02 30 0,01	20.0.01
	10.0.0.1 Se210 Se210 Se310	60310
	Roukro Areal Routerl Areas	Router2 Faula
200000	ITT / All hallmants had and the skill	1
	/Area3	Area 2
221	LATTE CONTRACTOR OF STATE OF S	Lever 1
45	Fau	w 1109 1
230	The first of the second second second	Tao
- 00	PC-F7 PCO	PC-P1 PC1
	10.0.0.10	40.0.0.6
- db ,	Procedure:	a trade in a
- 1450	-> Place 9 end denices and 3 route	rs as in the
	figure.	tori oh
adadas	-+ connect the end denices to router	s via copper
-	crossorer wires and ronters to rou	ter via serial win
	- Set the IP addresses of gateways a	e in figure
no d	Now go to each nonter and confid	gue.
		d liver
	-> Portero: # interface serial 2/0	
	Hip coldress do 0.0.0,1 255.	0.0.0
	# encapsulation ppp	
	# clock tate GITONO	1
	# no chut # exit	
	# interface ja 0/0	
	# ip coldress 10,001 255.0	200
47	H no shit	

PAGE NO : 2.1
DATE :

	-> Ronterl: # interface send 2/0
	# ip address 20.0.0.2 255.0.0.0
	the excepsole han pp
	At no shut
	tt exit
	Il interface script 3/0
	# in beldress 80 0.01, 255.0.00
	# encapsulation ppp
	# clock rate a 4000
	I no shit
	# exit designates to the same to
	-> Porter 2: # interfect social 3/0 . "
	# ip address 20.0.0.2 2550.0.0
	thencepsulation ppp
	# nowhut at an
	# exit
	It interface fable
	# ip address 40.0.0.1.255,00.0
	# no what I have some the second
	# ent last a second
	Diggin and the Canton and
	-> Enable IP worting by antiguing aspf.
	-> Router Ro . # norter osp 1
	# router-id 1.111
	# network 10,000 0 155 255 area 3
	# network 20,000 0 255, 255 area)
This is	the an a serit (salatt) alababa as as a
(Company)	-> Router 1: # muter nepple
	# noter-id 2:2:2.2
ALC: N	# network 20000 0 ps 25 25 area!
	.# network 20000 0.155, att 255 - 200
EL IVA	# exit is sensent should be
- Trible	CALIFORNIA DE CONTROL DE CONTROL STORESTE ME O

PAGE NO :

- Paters + rate aspl # touter id s.233 Al network to 30,000 0.255.255 255 area # network - 40.0.0.0 .255 .255 255 areas # exit Configure loopback address to roiders. Routero: Hindespiece leaphach o # 1p add 172 16.1.212 255.255.00 # no shut Porter! It interface loopback of Hip add 172.16.1.253 255.255.00 # no what -> Router 21 +1 interface loopback o # ip add 172.16.1+254 255.255.00 # no chest " - Create virtual line bothern Routers and Router! - Portero: Il ronder ocpf 1 100 mg 12 # area I virtual-link 2:2.2:2 - Router ! H houter oup! ! Harea I rietal-link willy tate limental le Observations: - Once the 1P norting was enabled by OSPF dishow it toute indicated: 0 11 40.0.0.0[8 [110/129] VIL 20.0.02, 00 04:27, Seriell 0 7A 30000/8 [110/128] win 2000, 00 07:28 Sende , After loopback. I show ip route indicated 0 10 20 0.00/2 [110/128] no 30 0.01 00:18:58, sende - After winted link, Il show in toute indicated 0 21 20.0 0 0/8 [110/128] VA 30.0.01, 00:01:55 Seriely 0 2A 10000 ([110/128) Vim 20.0.0.1, 00:01:56, Senilal

PAGE NO: 23
DATE:

- Ping PCI wie PCO! Ping 40.0.0.10 Ping statistice for 40.0.0.10: Packets: Sent=4 Received=3, Lost=1 (201/1053) Ping PCD wie PC! ping 10.0.0.10 Ping statistics for 10.0.0.10. Packets: Sent = 4, Received = 4, Lost=0 (04. Loss) -) Hence, the ospf nowing was set up and the pings were successful