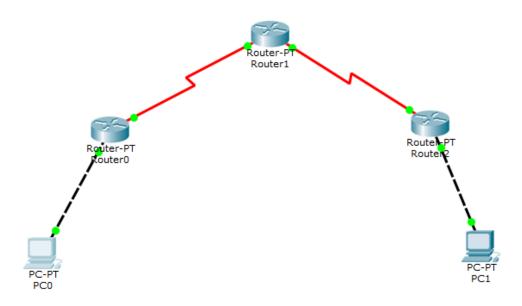
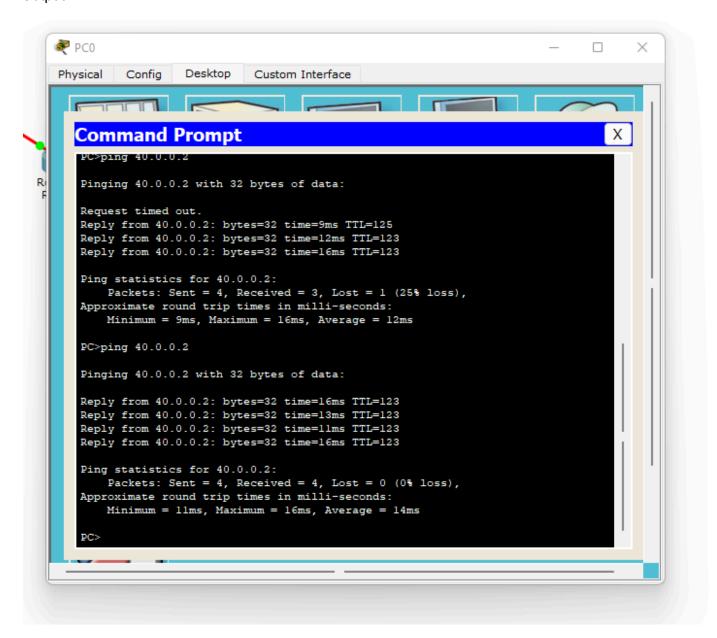
Experiment - 4

Aim: To demonstrate the configuration of static and default routes to a connection of routers

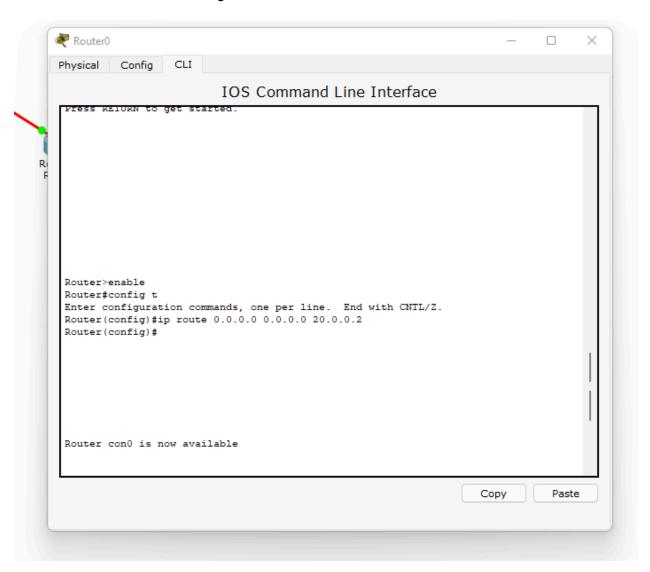
Topology:

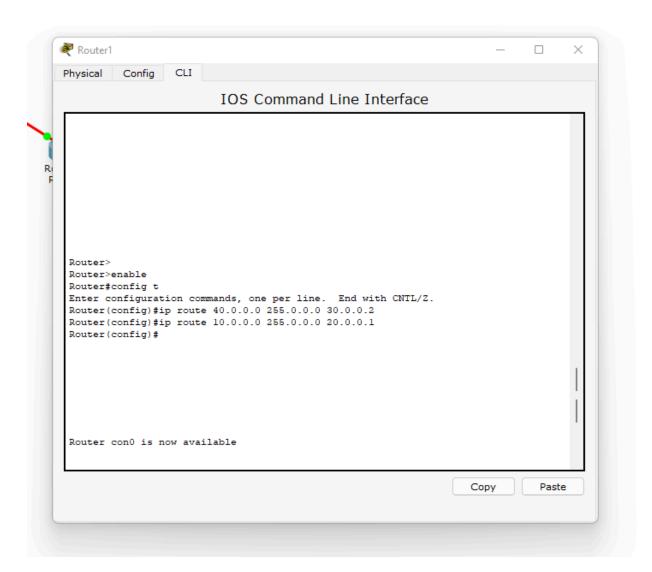


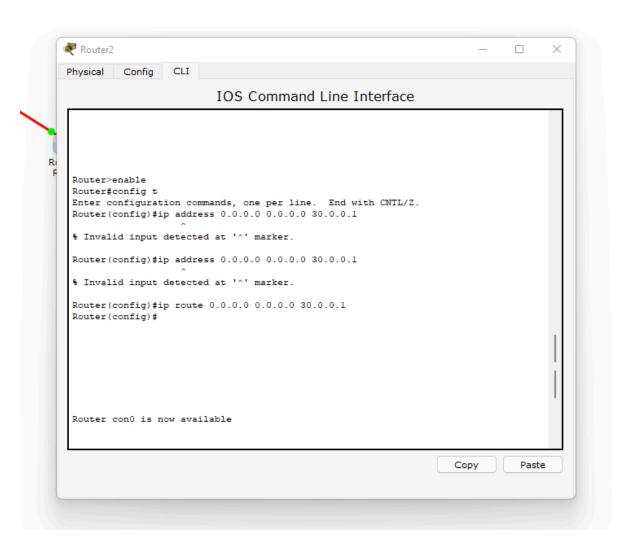
Output:



Default and static routes configuration:







Observation:

	Date
	Date Page
22/10/24.	
22/	Peply from 4000 co
180120	1 WAR Superiment - 4: 6000 A mond judger
	1 and appointed to
	Ain: To configure default and static rocates ho
	Daniel III and a could get say
2 m	Topology: Router - PT
rage mar	Routry - PT
	10 230.0.1 1 2343301 803
	20.002 Poutertre de conde « cotuas
	200 - 1-0-01-1-1-1
	Sex10 230. V
Po	uter-PT 20.001 01 1012 3000 ten-PT 2
ols	acto 10.000 1000 1000 1000 1000 1000 1000 1
	/ comes sin fold 8 0.00 ml 2
51	0,10.0.0.2 tao 40.0.0.2
1	
PI	-PT O ryPfog PTxol
	PC1
	C [0.0.0.0] is discelly converted fast
0	Configurationinos potonito el 310.0.000
	6.0.0.00 alw fair 80.0.008 21
	Static - routes semain constant of one
	5 reduces the burden on the router
	But always follows the fixed both thence longistion.
	sair francis he pain francis wiganon.
	Commande: 0 0.08 pin Paris slave 0.01 = 9
	> To configure default route soo of
For RO	Pouter (config) + its route 0.0.0.0 0.0.0 20.0.0.2
For R2	Router (config)# sip route 0.0.000 0.0.010 30.0.0.1
	300 0.0101
	→ 10 configurate Static route.
to p	D 1 () next hob
For Ry	Router (config)# ip route 10.0.0.0 255.0.0.0 30.0.0.
	POULT SUITED THE ID MOUTE.
	100.0.0.0 255.0.0.0 20.0.0.1

classmate

(i) configure the generic routers and the end devices using the command line and setup gateway (ii) once the roceters and the PC are configurate set cep the static noute using the above mentioned commands for nouters of default.

(iii) set up dynamic route for the nouter o (iv) carry out the ping command in Pco under command prompt. Observation: Static note route - noute remain constant in case of a large number of routers the administrator has to configure each of the neuter while Also incrases longistion in the noute. PC > ping 40.0.0.2 Pinging 40.0.0.2 with 32 bytes of deta leply forom 40.0.0.2: byte=32 time=16ms TTL=123 40.0.02 : bytes = 32 Hme = 13ms TTL=123 liply from 40.0.02 : bytes = 32 Hme=11ms 771=123 from 40.0.0.1: bytes = 32 time=16ms TTL=123 give to address of end days Ping Statistics for 40.0.0.201 Partiets: gent = 4, Beccived = 4, lost = 0 (04-lose) Approximate round hip time in milli-seconds: Minimum = 11 ms; maximum = 16 ms Average = 16ms.