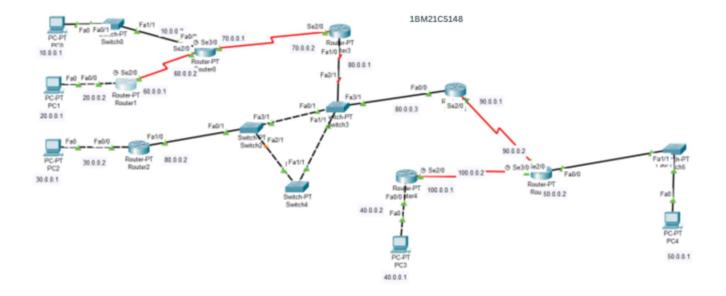
WEEK - 3

	OUEEK - 3
Q.	Configure défault route, static route to nouter
Sol":	STEPS:
	1) Add 2 PCs & connect them to a generic Router.
	@ Configure the PCs by setting their IP addresses to
	10.0.0.1 & 20.0.0.1 respectively.
14.	3) Set the cate - 10000 1000 2 & 20.0.0.2 nexpectively
	3 Set the gateways as 10.0.0.2 & 20.0.0.2 respectively
	5 & Go to the Cond Line Interface in the router and
	Enter no for continue with configuration diafogue.
	6) Type Config terminal & enter twice.
	1 Type finterface fast Ethernet 0/0' Lenter.
	1) Type "ip address 10.0.0.2 2550.0.0"
3.	Type no shut & the connection is now established
	@ Repeat steps for the other PC. 20.00.1.
	@ Repeat steps 1 to @ for PC-3 & PC4.
	1) Connect router 1 & router 2 via a router 3.
	1 All route to router connections via Serial DIE
	& PC to noute via Copper cross-ones
	B Go to the Router I CLI & type the follows:
	enable d
	onfy to
	interface Serial 2/00
/	ip address 50.0.0.2 255.0.0.0
	no shutel
	9 Go to the Router 3 CLI & type:
	enable d
	config tel
	interface Serial 2/0d
	ip address 50.0.0.1 255.0.0.0cl
	A # = 1
	The Connection the Bhouter 1 & 3 is green now.



(5) Repeat steps (3) A (1) for Routes 2 to 3 similarly. (6) Go to Routes 1 CLI & type The shows only the direct connections. (7) we statically connect routers to the Pros. by type; following in the CLI: (for Retirements): ip route 30.0.0.0 255.0.0.0 50.0.0.1 d ip route 40.0.0.0 255.0.0.0 60.00.1 d ip route 2): ip route 10.0.0.0 255.0.0.0 60.00.1 d ip route 3): if route 30.0.0.0 255.0.0.0 60.00.1 d ip route 3): if route 10.0.0.0 255.0.0.0 60.00.1 d if route 3): if route 10.0.0.0 255.0.0.0 50.0.0.1 d if route 40.0.0.0 255.0.0.0 50.0.0.1 d (60) routes 3): if route 10.0.0.0 255.0.0.0 50.0.0.1 d if route 10.0.0.0 255.0.0.0 50.0.0.1 d (7) 11 1 20.0.0.0 11 60.0.0 d (8) Now Lata transfer the Pros is successful. (9) Refore statically connecting routers purpy b/w Pros Not directly connected was unsuccessful. PC> Ring 30.0.0.1 Pringing 30.0.0.1 with 32 by to of data: Repty from 20.0.0.2: Destination host unreachable 1/2 in 1/2					
gow ip route. It shows only the direct connections. By we statically connect routers to the PCOS by typing following in the CLI. Gon Redirected): ib route 30.0.0.0 255.0.0.0 50.0.0.1 d ip route 40.0.0.0 255.0.0.0 40.0.0.1 d ip route 10.0.0.0 255.0.0.0 60.00.1 d ip route 10.0.0.0 255.0.0.0 60.00.1 d ip route 10.0.0.0 255.0.0.0 60.0.0.2 d Gon router 3): if route 10.0.0.0 255.0.0.0 50.0.0.1 d ip route 10.0.0.0 255.0.0.0 60.0.0.1 d I'' '' 30.0.0.0 '' 60.0.0.1 Before statically connecting routers pirgy b/w PCS NOT duretly connected was unsuccessful. PC > Ping 30.0.0.1 Pringing 30.0.0.1 with 32 by tes of data: Reply from 20.0.0.2: Destination host unreachable	(15) Repeat.	steps (23) A	(19) for	Router 2 to	3 similarly
Show if house only the direct connections. It shows only the direct connections. The statically connect routers to the PCC. by typing following in the CLI. (For Expression1): ip house 30.0.0.0 255.0.0.0 50.0.0.1 d ip house 40.0.0.0 255.0.0.0 40.0.0.1 d ip noute 10.0.0.0 255.0.0.0 60.0.0.1 d ip noute 2): ip noute 10.0.0.0 255.0.0.0 60.0.0.1 d ip noute 3): if noute 10.0.0.0 255.0.0.0 50.0.0.1 if noute 10.0.0.0 255.0.0.0 60.0.0.1 if noute 10.0.0.0 255.0.0.0 60.0.0 if noute 10.0.0.0 255.0.0.0 if noute 10.0.0.0 255.0.0 if noute 10.0.0.0 if noute 10	10 Go to K	outer 1 CLI	a gre		
St shows only the areal connections. (a) we statically connect routers to the PCC. by typing following in the CLI: (for CAB: routers): ip house 30.0.0.0 255.0.0.0 50.0.0.1 d ip house 40.0.0.0 255.0.0.0 40.0.0.1 d ip noute 10.0.0.0 255.0.0.0 60.0.0.1 d ip noute 2): ip noute 10.0.0.0 255.0.0.0 60.0.0.1 d ip noute 3): if noute 10.0.0.0 255.0.0.0 50.0.0.2 d (for router 3): if noute 10.0.0.0 255.0.0.0 50.0.0.1 i'' 20.0.0.0 "' 60.0.0.1 "'' 40.0.0.0 "' (B) Now Lata transfer the PCC is successful. (B) Before statically connecting routers trapy blu PCS NOT directly connected was unsuccessful. PC > Ping 30.0.0.1 Pringing 30.0.0.1 with 32 by to of data: Repty from 20.0.0.2: Destination host unreachable	chaw it	route.			
Solver statically connect routers to the Proc by typy followy in the CII: (for Restriction): ip route 30.0.0.0 255.0.0.0 50.0.0.1 d ip route 40.0.0.0 255.0.0.0 40.0.0.1 d ip route 10.0.0.0 255.0.0.0 60.00.1 d ip route 2): ip route 20.0.0 255.0.0.0 60.00.1 d ip route 20.0.0.0 255.0.0.0 60.0.0.1 d if route 10.0.0.0 255.0.0.0 50.0.0.1 d if route 10.0.0.0 255.0.0.0 50.0.0.1 if route 10.0.0.0 255.0.0.0 50.0.0.1 if you deta transfer the Proc is successful. Before statically connected was unsuccessful. PC> Ping 30.0.0.1 Pringing 30.0.0.1 Pringing 30.0.0.1 with 32 by to of data: Reply from 20.0.0.2: Destration host unreactable if you was unreactable to the connected was unreactable in the connected was unreac	It she	ours only T	he direct	connection	my.
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	Reply from	n 20.0.0.2	: Destino	tion hast u	nreachable
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Ping statistics for 30.0.0.1: Packets: Sent = 4, Received = 0, Lost = 4 (100% Loss)	" "	11	tr	(1	
Ping statistics for 30.0.0.1: Packets: Sent = 4, Received = 0, Lost = 4 (100% Loss)		c,	(1		C
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. . . .

C:\>

```
Desktop
Physical
         Config
                          Programming
                                       Attributes
Command Prompt
C:\>ping 90.0.0.2
Pinging 90.0.0.2 with 32 bytes of data:
Reply from 90.0.0.2: bytes=32 time=12ms TTL=252
Reply from 90.0.0.2: bytes=32 time=2ms TTL=252
Reply from 90.0.0.2: bytes=32 time=10ms TTL=252
Reply from 90.0.0.2: bytes=32 time=2ms TTL=252
Ping statistics for 90.0.0.2:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 12ms, Average = 6ms
C:\>ping 40.0.0.1
Pinging 40.0.0.1 with 32 bytes of data:
Request timed out.
Reply from 40.0.0.1: bytes=32 time=3ms TTL=123
Reply from 40.0.0.1: bytes=32 time=3ms TTL=123
Reply from 40.0.0.1: bytes=32 time=3ms TTL=123
Ping statistics for 40.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 3ms, Maximum = 3ms, Average = 3ms
C:\>ping 50.0.0.1
Pinging 50.0.0.1 with 32 bytes of data:
Request timed out.
Reply from 50.0.0.1: bytes=32 time=3ms TTL=124
Reply from 50.0.0.1: bytes=32 time=6ms TTL=124
Reply from 50.0.0.1: bytes=32 time=2ms TTL=124
Ping statistics for 50.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 6ms, Average = 3ms
```