LABORATORY PROGRAM – 9

To construct simple LAN and understand the concept and operation of Address Resolution Protocol (ARP)

	Address Resolution Protocol (ARP)
	Date: op /
18/12/2024	Lab No 10
1811212024	ARP (Address Resolution Protocol)
- Annual Control	
	Am: To construct Simple LAN and understand the
	Am: To construct simple try of address Resolution
	concept and open
	portocal (ARP)
No.	at any and a second of the sec
	Topology:
	Topology
	the second section
	10.0.0.4 Switch
LILE IS 7	E C
	Creat de la Constantina
	To a super state of the sale
-	Elegan I de la
200	Dr.
	PC PC PC 10.0.0.3
Last med motific	10.0.0.1
The Paris	Procedure;
- makes	SALONIAN MIN AND AND NE POR SILICE
0	Create the topology as Shown above
	ment de la collection d
6	Configure the PC18 and Server
1	The same of the same and the same at the same of
6	click on Inspect mode (9), then click on the end
(5)	
-	devices and open ARP tables.
- month	In we down and date or marke or minuted travels
4	Sorda data packet from any end device Say
	server to other and devices Say 10.0.0.3 PC.
- Jane	levelile a complete plant of the color
	Open simulation made to capture each step of
1	11 basefor
-	data transfer.

The state of the s
OBSERVATIONS:
O The ARP tables of all end devices are initially empty
1 When the data packet from Sover arrives at
Switch, Since the Source MAC address is unknown, it sends a broadcast message to all devices
if sends a broadcast message to an message
3 The device with the IP address present in the
destination address of the data packet responds
to the message
1 4 DC 12 11 Hour ARP Tables
The Server and the PC Update their ARP Tables
matching IP address to MAC address
3 Overting the ARP tables grows as datapackets
are set,
2 Au Old Johnson Britishly
The MAC Table of the Shirtch which was initially empty updates its mac table gradually too
empty Opdards us mar the
ARP Table for 10.0.0.4:-
10 address Hardware Address Interface
10.0.0.3 0001.0726.4785 fast Ethernet 0
CARDA II - Louist Mala F R
@ Similarly other ARP tables are Updated:

