BE: 9 5 Implementation of SUBNETTING IN 161 101 101 101 25 10150 PACKETS TRACER Simulation Kralgal. Implementation of SUBNETTINGUE in CISCO PACKET TRACER Similator Lord bicareless IP Subnetting is a technique that allows for more Ifficient wie of IP address by allowing for subset masks that are hot just the default which were for each west Porclass. This means authat comes can divide grow It address spare it smaller substite of which can be well when tower have limited number of It addresses treated tological Gentus a return topogy: - to the first step in implementing clarles IP substitute is to coiente a retwork topology is Packet Traces, solet the " New ! britter " in the top left Cover, the solet "Network" and "Goverin". Adding the derlices : twalle too! once we have vientel town hetwork topley 8d, well can cold addenies 7 to it. Here, we will be adding nontes. suitates and PC». To add a donie, releat the

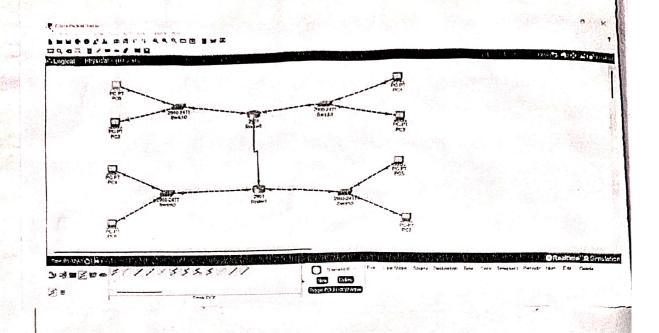
and drogs it outs the natural topdayy. ORI) isubrettuge: & and trendegrit To mendent the retwork address of 192.168.1.0/26 to prairie erough space for attent 5 address for end derices the switch and the rinter we can use a 04/7 subset musk. The IP addressing for the naturals show in the topday it can be as follows: Router Rline whole the enoge Gigalit Etteret 0/0: 192.168.1.1 Grigolit Ettorit 0/1: 192.168.2. Swith SI: Fost ettinist 0/101/92.168.1.0/27 with port 192.16821.160 ett = 2 PO2 of 192.168-11.12 9T welkered ( 12 C3: 1929.168-2012 decitor the peq : 192/168.1.144" it tield. "isorpo PC5: 1921/68. 15.1500 net. (16VE) Fast attent 0/0:11912:168.3. hait Switch 182is and we ever ti at fast ettent 600/11:192.168.3.0/27 cothine above gallos de Vie en ent 10 ties of a day started .

from the dances in to beday. without the home added out dering and Consited this, we can start of the constant we will state by configuring the rate. Right click on the risiter and select "eu". cultida # exclusion alt ern tried ( al sike the configure, turned (i.do. terotte trat store to in #ip address {IP address } Ingranacionale aduttication # exit . diegos secular To Cofique the bigalit otherst abof as you can follow the steps: and Right Click on the reater and Select CLF porteres vibrius pel 2. Ester the following commands Testing the returners: Now that own naturale topology is Configured, we can test the Followsk open a command prompt on each PC and try to ring the other PC. If the pring

Successful, then the rations is

Every frequency.

student obscirationed all free wines twite down your understanding of subretty Substitus is the process of dividing a large IP retwork it smaller, more atur ethorograble inthetwoks (Substa). b) bett are the advantages of subsetting? Reduce retrooks congestion by limited broaderst traffic within Sulietoche 9I) verbs qu'# Improve recurity objections hatwork regnerts. In the Easier moragenest and trouble all thatis of the this waste the and start tree of the ladden by aviding wortage. He teles. Walget steading some toll and



PC0 X Physical Config Desktop Programming Attributes IP Configuration Interface FastEthernet0 IP Configuration O DHCP O Static IPv4 Address 192.168.1.11 Subnet Mask 255 255 255 192 Default Gateway 192 168 1 1 DNS Server 0.0.00 IPv6 Configuration O Automatic O Static IPv6 Address Link Local Address FE80 2D0 D3FF FE69 1271 Default Gateway DNS Server

Result:
Thus the above program in your
executed surresfully.