Bahria University,

Karachi Campus



COURSE: CEL-223 COMPUTER COMMUNICATIONS

AND NETWORKS

TERM: FALL 2022, CLASS: BSE- 5 (B)

Submitted By:

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Submitted To:

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Signed Remarks: Score:

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LAB EXPERIMENT NO.

1

LIST OF TASKS

|  |  |
| --- | --- |
| TASK NO | OBJECTIVE |
| 1 | Implement the following network on packet tracer. |
|  | Ping,   * PC0 from PC5, * PC6 from PC2, * PC3 from PC1, |
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**Lab 1 Tasks:**

Implement the following network on packet tracer.



Ping,

* PC0 from PC5,
* PC6 from PC2,
* PC3 from PC1,

Also, display the above results in the simulation mode of packet tracer. Attach snapshots of the pinging results and the network created.

Complete the following table:

|  |  |
| --- | --- |
| End Device | IP Used |
| PC0 | 172.16.1.0 |
| PC1 | 172.16.1.1 |
| PC2 | 172.16.1.2 |
| PC3 | 172.16.1.3 |
| PC4 | 172.16.1.4 |
| PC5 | 172.16.1.5 |
| PC6 | 172.16.1.6 |

My snapshot:



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LAB EXPERIMENT NO.

2

LIST OF TASKS

|  |  |
| --- | --- |
| TASK NO | OBJECTIVE |
| 1 | * Run the following commands on the command prompt of your PCs and attach snapshots of the result: * ping [www.google.com](http://www.google.com/) |
| 2 | * tracert [www.yahoo.com](http://www.yahoo.com/) |
| 3 | * ping -i 6 [www.facebook.com](http://www.facebook.com/), did you receive the correct reply? If not, explain why. |
| 4 | * nslookup [www.live.com](http://www.live.com/), did you result show ‘Non-authoritative answer’? If yes, explain what does it indicate, you are advised to browse the internet to attain this answer. |
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* Run the following commands on the command prompt of your PCs and attach snapshots of the result:
* ping [www.google.com](http://www.google.com/)



* tracert [www.yahoo.com](http://www.yahoo.com/)



* ping -i 6 [www.facebook.com](http://www.facebook.com/), did you receive the correct reply? If not, explain why.



Because facebook.com operates on -i16 and above.

* nslookup [www.live.com](http://www.live.com/), did you result show ‘Non-authoritative answer’? If yes, explain what does it indicate, you are advised to browse the internet to attain this answer.



**Because a nameserver not in the list for the domain you did a lookup on.**