Bahria University,

Karachi Campus



LAB EXPERIMENT NO.05

LIST OF TASKS

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| --- | --- |
| TASK NO | OBJECTIVE |
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|  | 1. **Take 4 switches named as: A, B, C, D and connect them in alphabetical order.**   **Perform and show the following configurations in your lab task:**   * 1. Switch A with VLANs faculty and students having 1 logical port each.   2. Now assign 1 logical port each to VLANs faculty and students in Switch B and D.   3. Now make switch A in server mode, whereas B and D in client mode and switch C in transparent mode.   4. Assign IP addresses to PCs connected to Switch A, B and D.   5. Now ping within the same VLAN and outside the same VLAN and show your results. |
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Submitted On:

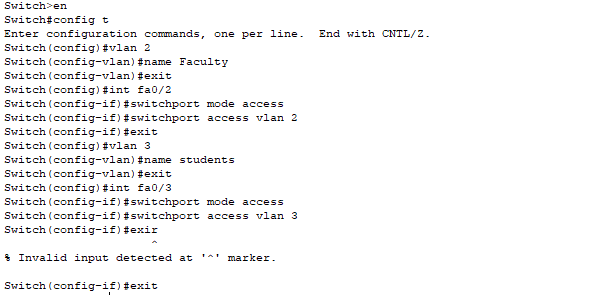
Date: 3/10/22

1. **Take 4 switches named as: A, B, C, D and connect them in alphabetical order.**

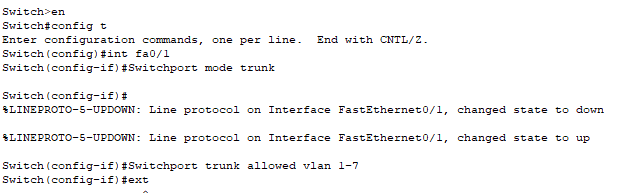
**Perform and show the following configurations in your lab task:**

* 1. Switch A with VLANs faculty and students having 1 logical port each.

**Faculty and Students:**

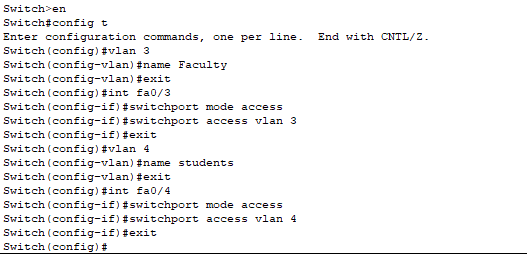
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**Trunk Mode:**

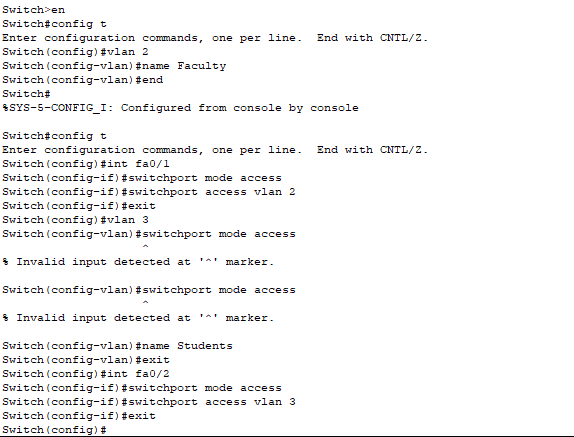
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* 1. Now assign 1 logical port each to VLANs faculty and students in Switch B and D.

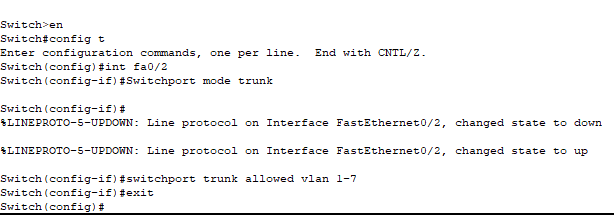
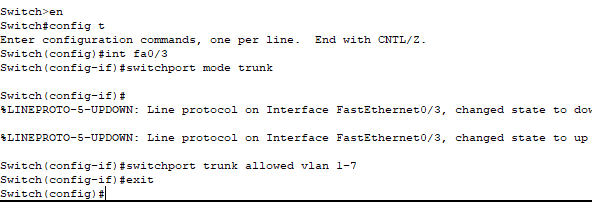
**Faculty and Students in Switch B:**

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**Faculty and Students in Switch D:**

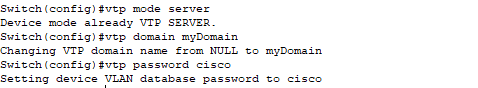
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**Trunk Mode:**

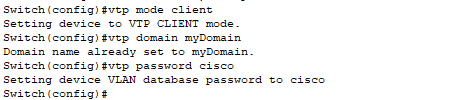
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* 1. Now make switch A in server mode, whereas B and D in client mode and switch C in transparent mode.

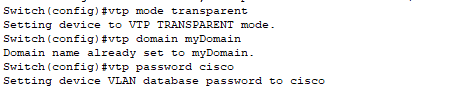
**Switch A:**

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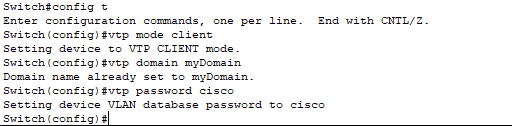
**Switch B:**

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**Switch C:**

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**Switch D:**

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* 1. Assign IP addresses to PCs connected to Switch A, B and D.

**Switch A:**

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**Switch B:**

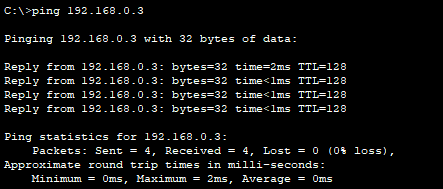
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**Switch D:**

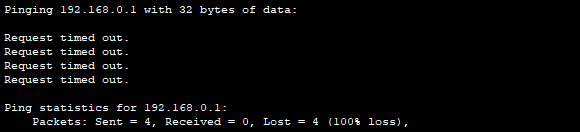
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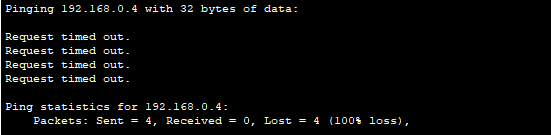
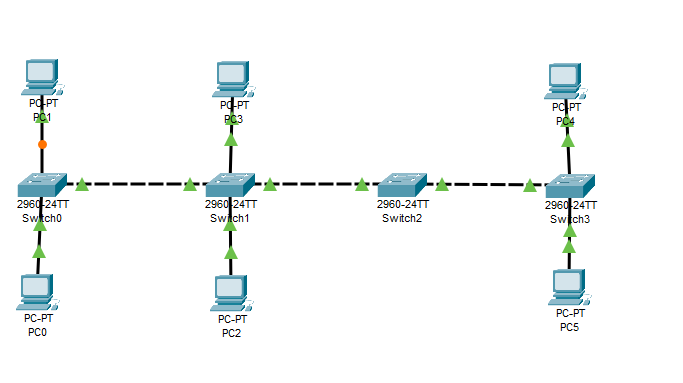
* 1. Now ping within the same VLAN and outside the same VLAN and show your results.

**With Same Vlan:**

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**With Different Vlan:**

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