**Operating Systems – Linux Lab 3 Q&A**

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Operating Systems Environments & Administration

1. Answer the following questions about the directory size:
   * What is the size (in **MB**) of the /etc directory?

Answer: 6.3 MB

* + Which directory is **bigger**: /etc, /bin or /sbin)?

Answer: Both /bin and /sbin are 15 MB but /bin has 15256 KB and /sbin has 15016 KB. Therefore, /bin is the biggest directory of the three.

1. What is the purpose of the watch command?

Answer: To execute/display a program periodically.

1. Answer the following questions about memory:
   * What is the **total** amount of memory (RAM) installed in the Course Server?

Answer: 2090827776 bytes

* + What is the amount of **used** memory?

Answer: 142712832 bytes

* + What is the amount of **free** memory?

Answer: 410525696 bytes

* + What is the amount of **shared**memory?

Answer: 835584 bytes

* + What is the amount of **available**memory?

Answer: 1755148288 bytes

1. What does the symbol **>** do in the command **dir > myFile**?

Answer: It will overwrite the contents of myFile with the contents of the dir command output.

1. What does the symbol **>>** do in the command **dir >> myFile**?

Answer: It will append the contents of the dir command output to the contents already existing in myFile.

1. What does the symbol **|** do in the command **dir | find myFile**?

Answer: The dir command output will serve as the input to the find command, and myFile will be searched in the list given by the dir command.