Writing scripts:

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| At this time, I feel this topic is too large to cover during the class. Inshallah, we will learn the needed scripting as the class progresses. |

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| Useful Bash Scripting Tutorials:  <https://linuxconfig.org/bash-scripting-tutorial-for-beginners>  <https://linuxconfig.org/bash-scripting-tutorial> |

A script is a text file that is made executable using the chmod command. To work as a script it needs two thing:

* The first line must be #! followed by the full path the application:  
  For example:
  + #!/bin/bash
  + #/!bin/tcsh
  + #!/usr/bin/python
  + #!/usr/bin/perl
* The script must be made executable using the chmod command:
  + Make executable everyone:
    - chmod +x ScriptName
    - chmod 0755 ScriptName
  + Make executable by root and unreadable by all other users:
    - chmod 0700 ScriptName
  + Make executable by root and member of the same group:
    - chmod 0750 Script

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| Store student’s custom scripts in**:**  **/home/student/bin**  The location for system script depends on their intended use:  **/root/bin** - root only  **/sbin** - root and others on the system |