**CS2750 System programming and Tools Fall 2018**

KEY TO **QUIZ #3 [14 points]**

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1. [8 points] Assuming that regular files and directories are located in the same directory, evaluate the situations from the table below. Indicate, whether such default permissions are possible. If yes, write down the value of **umask** that creates this set of permissions. In the last column, explain what permissions are taken away by **umask** value.

|  |  |  |  |
| --- | --- | --- | --- |
| Default permissions of regular files | Default permissions of directories | **umask** value (if possible) | If applicable, briefly describe what permissions are taken away by **umask** in **words**, not just notation! |
| 666 | 777 | 000 | All permissions are unchanged compared to default values |
| 664 | 775 | 002 | ‘write’ permission is taken away from others |
| 644 | 764 | Not possible |  |
| 444 | 555 | 222 | ‘write’ permission is taken away from everyone |

1. [4 points]

|  |  |
| --- | --- |
| Given a script **quiz.sh**:  **#!/bin/bash**  **echo ‘$0 = ‘ $0**  **echo ‘$2 = ‘ $2**  **echo ‘$# = ‘ $#**  **echo ‘$\* = ‘ $\*** | Show what will be displayed when this script is invoked in the following way:  **bash quiz.sh q u i z**  **------------------------------**  *Output:*  **$0 = quiz.sh**  **$2 = u**  **$# = 4**  **‘$\* = q u I z** |

1. [2 points] Write a bash script command to display names of all files in your current directory, including names that start with a dot symbol (.).

*Answer:*

**for file in .\* \***

**do echo $file**

**done**