

# CENG 111

## Introduction to Computer Engineering Concepts

Fall '2019-2020

### Linux Exercise

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## Instructions

For each question, run the commands required to accomplish the listed tasks in order. You may need to type **more than one command** for some of the questions.

Download the quiz archive “quiz.tar.gz” from “<http://www.ceng.metu.edu.tr/~ceng111/lab/quiz.tar.gz>” and extract it in to your home directory:

```
$ wget http://www.ceng.metu.edu.tr/~ceng111/lab/quiz.tar.gz
$ tar -xf quiz.tar.gz
$ cd ceng111quiz
```

You can check your grade by running the script named “**grade**” under the home directory of “ceng111” user. Note: You must execute the script inside “ceng111quiz” folder.

```
$ ~ceng111/grade
```

## Question-1 (6 points each)

1. Create a new folder named “backup”.
2. Create a new file named “hello.txt” under the folder “backup”.
3. Copy the file named “hw1.txt” under “courses/ceng443/” to the folder “backup”.
4. Move the file named “hw1.c” under “courses/ceng140/” to the folder “backup” with the name “ceng140\_hw1.c”.
5. Remove the folder named “templates”.
6. Copy the folder named “music” to the folder “backup”.

## Question-2 (7 points each)

1. Change the permissions of the file “ceng111.txt” so that the owner can read and write but cannot execute, and group and others can read but cannot write and execute.
2. Execute the script named “arrange.sh” placed under the folder “music”.
3. Copy the file named “ceng111.txt” to the folder “notrespassing”.

### Question-3 (7 points each)

1. Lists all the lines of “courses/ceng111/hw2.py” that contain the word “def”. Direct the output to a file named “defs.txt”.
2. Count the number of files/folders that the “music” folder contains and write the result to a file named “numMusic.txt”. Hint: “wc”

### Question-4 (7 points each)

1. Copy all the files under “videos” folder that have the extension “avi” to a new folder named “videos” under “backup” folder.
2. Copy all the files under “pictures” folder that have extension “jpg” to a new folder named “pictures” under “backup” folder.

### Question-5 (7 points each)

1. Remove 42 characters from the 956th line of the file “documents/alice.txt”.
2. Remove 7 lines starting from the 15th line of the file “documents/flatland.txt” and append them 341 times to the end of the file.