

Lab 6 - Managing files and directories

Question 1

```
1: rsarikaya@cis106: ~
rsarikaya@cis106:~$ mkdir website
rsarikaya@cis106:~$ cd website/
rsarikaya@cis106:~/website$ mkdir scripts assets
rsarikaya@cis106:~/website$ touch index.html
rsarikaya@cis106:~/website$ touch assets/image.png
rsarikaya@cis106:~/website$ touch scripts/scripts.js
rsarikaya@cis106:~/website$ tree
.
├── assets
│   └── image.png
├── index.html
└── scripts
    └── scripts.js

3 directories, 3 files
rsarikaya@cis106:~/website$ rm scripts/scripts.js  assets/image.png
rsarikaya@cis106:~/website$ rmdir scripts/ assets/
rsarikaya@cis106:~/website$ cd ..
rsarikaya@cis106:~$ rm -r website/
rsarikaya@cis106:~$ █
```

Tilix: rsarikaya@cis106: /usr/share

```
1: rsarikaya@cis106: /usr/share
rsarikaya@cis106:~$ cd /usr/share/
rsarikaya@cis106:/usr/share$ mkdir ~website
rsarikaya@cis106:/usr/share$ mkdir -p ~/website/assets/images/small
rsarikaya@cis106:/usr/share$ touch ~/website/assets/images/small/logo.png
rsarikaya@cis106:/usr/share$ rm ~/website/assets/images/small/logo.png
rsarikaya@cis106:/usr/share$ rm -r ~/website/
rsarikaya@cis106:/usr/share$
```

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file:///home/rsarikaya/website/index.htm

```
Sample site

rsarikaya@cis106:~$ mkdir website
rsarikaya@cis106:~$ mkdir website/assets
rsarikaya@cis106:~$ curl https://cis106.com/assets/samplesite.txt -o ~/website/index.htm
          Total  % Received % Xferd  Average Speed  Time  Time  Current
          %   Total   Dload Upload  Total  Spent   Left  Speed
100  455  100  455    0     0  1100  0  --:--:--:--:--:--:--:-- 1104
rsarikaya@cis106:~$ mv Downloads/peixels-
mv: missing destination file operand after 'Downloads/peixels-'
Try 'mv --help' for more information.
rsarikaya@cis106:~$ mv Downloads/peixels-
mv: missing destination file operand after 'Downloads/peixels-'
Try 'mv --help' for more information.
rsarikaya@cis106:~$ mv Downloads/peixels-marina-endzhirgli-725723515-32634917.jpg /website/assets
mv: cannot move 'Downloads/peixels-marina-endzhirgli-725723515-32634917.jpg' to '/website/assets': No s
uch file or directory
rsarikaya@cis106:~$ mv Downloads/peixels-marina-endzhirgli-725723515-32634917.jpg website/assets/
rsarikaya@cis106:~$ mv Downloads/peixels-liuuu_-61-2383408-34142857.jpg website/assets/
rsarikaya@cis106:~$ mv website/assets/peixels-marina-endzhirgli-725723515-32634917.jpg website/assets/i
mage.png
rsarikaya@cis106:~$ mv website/assets/peixels-liuuu_-61-2383408-34142857.jpg website/assets/image2.png
rsarikaya@cis106:~$ xdg-open website/index.html
gio: file:///home/rsarikaya/website/index.html: Error when getting information for file "/home/rsarika
ya/website/index.html": No such file or directory
rsarikaya@cis106:~$ xdg-open website/index.htm
rsarikaya@cis106:~$
```

Challenge Q1

```
Tilix: rsarikaya@cis106: ~/lab6-challenge1
1:rsarikaya@cis106:~/lab6-challenge1 ~
rsarikaya@cis106:~$ git clone https://github.com/linuxworkshop67/lab6-challenge1
Cloning into 'lab6-challenge1'...
remote: Enumerating objects: 17, done.
remote: Counting objects: 100% (17/17), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 17 (delta 1), reused 17 (delta 1), pack-reused 0 (from 0)
Receiving objects: 100% (17/17), 2.89 MiB | 5.19 MiB/s, done.
Resolving deltas: 100% (1/1), done.
rsarikaya@cis106:~$ cd lab6-challenge1/
rsarikaya@cis106:~/lab6-challenge1$ tree
.
├── challenge.py
├── debian.png
├── earth.mp4
├── garbage.txt
├── hello.sh
├── instructions.docx
└── lain.mp4
    └── no-longer-needed.txt
        ├── notes.doc
        ├── program.py
        ├── script.sh
        ├── song1.mp3
        ├── song2.mp3
        └── submission.pdf
            └── to-be-deleted.txt
                └── tux.png

1 directory, 16 files
rsarikaya@cis106:~/lab6-challenge1$ mkdir assets/audio/imgs/video
mkdir: cannot create directory 'assets/audio/imgs/video': No such file or directory
rsarikaya@cis106:~/lab6-challenge1$ cd
rsarikaya@cis106:~$ mkdir ~/Lab6-challenge1/assets/audio/imgs/video
mkdir: cannot create directory ~/Lab6-challenge1/assets/audio/imgs/video': No such file or directory
rsarikaya@cis106:~$ cd lab6-challenge1
rsarikaya@cis106:~/lab6-challenge1$ mkdir assets audio imgs video code bash example .hidden python documents hmw documents
mkdir: cannot create directory 'documents': File exists
rsarikaya@cis106:~/lab6-challenge1$ mv audio imgs video assets/
rsarikaya@cis106:~/lab6-challenge1$ mv bash .hidden python code/
rsarikaya@cis106:~/lab6-challenge1$ mv hmw code/
rsarikaya@cis106:~/lab6-challenge1$ tree
.
├── assets
│   ├── audio
│   │   ├── song1.mp3
│   │   └── song2.mp3
│   ├── imgs
│   │   ├── debian.png
│   │   └── tux.png
│   └── video
│       ├── earth.mp4
│       └── lain.mp4
└── challenge.py
    ├── code
    │   ├── bash
    │   │   ├── hello.sh
    │   │   └── instructions.docx
    │   └── hmw
    └── doc
        ├── notes.doc
        ├── program.py
        ├── script.sh
        ├── song1.mp3
        ├── song2.mp3
        └── submission.pdf
            └── to-be-deleted.txt
                └── tux.png
```

```
Tilix: rsarikaya@cis106: ~/lab6-challenge1
1:rsarikaya@cis106:~/lab6-challenge1 ~
.
└── challenge.py
    ├── code
    │   ├── bash
    │   │   ├── hello.sh
    │   │   └── instructions.docx
    │   └── hmw
    └── doc
        ├── notes.doc
        ├── program.py
        ├── script.sh
        ├── song1.mp3
        ├── song2.mp3
        └── submission.pdf
            └── to-be-deleted.txt
                └── tux.png

11 directories, 16 files
rsarikaya@cis106:~/lab6-challenge1$ mv song1.mp3 song2.mp3 assets/audio/
rsarikaya@cis106:~/lab6-challenge1$ mv debian.png tux.png assets/imgs/
rsarikaya@cis106:~/lab6-challenge1$ mv earth.mp4 lain.mp4 assets/video/
rsarikaya@cis106:~/lab6-challenge1$ tree
.
├── assets
│   ├── audio
│   │   ├── song1.mp3
│   │   └── song2.mp3
│   ├── imgs
│   │   ├── debian.png
│   │   └── tux.png
│   └── video
│       ├── earth.mp4
│       └── lain.mp4
└── challenge.py
    ├── code
    │   ├── bash
    │   │   ├── hello.sh
    │   │   └── instructions.docx
    │   └── hmw
    └── doc
        ├── notes.doc
        ├── program.py
        ├── script.sh
        ├── song1.mp3
        ├── song2.mp3
        └── submission.pdf
            └── to-be-deleted.txt
                └── tux.png
```

1/1 Tilix: rsarikaya@cis106: ~/lab6-challenge1

```
1: rsarikaya@cis106: ~/lab6-challenge1 ~
└── documents
    ├── example
    └── garbage.txt
    ├── hello.sh
    ├── instructions.docx
    ├── no-longer-needed.txt
    ├── notes.doc
    ├── program.py
    ├── script.sh
    ├── submission.pdf
    └── to-be-deleted.txt

11 directories, 16 files
rsarikaya@cis106:~/lab6-challenge1$ mkdir example code/bash/
mkdir: cannot create directory 'example': File exists
mkdir: cannot create directory 'code/bash/': File exists
rsarikaya@cis106:~/lab6-challenge1$ mv example code/bash/
rsarikaya@cis106:~/lab6-challenge1$ mv hello.sh script.sh code/bash/example/
rsarikaya@cis106:~/lab6-challenge1$ ls -a
.  challenge.py  garbage.txt  .key  .password  submission.pdf
..  code  .git  no-longer-needed.txt  program.py  to-be-deleted.txt
assets  documents  instructions.docx  notes.doc  .secrets.txt
rsarikaya@cis106:~/lab6-challenge1$ ls -A
assets  documents  instructions.docx  notes.doc  .secrets.txt
challenge.py  garbage.txt  .key  .password  submission.pdf
code  .git  no-longer-needed.txt  program.py  to-be-deleted.txt
rsarikaya@cis106:~/lab6-challenge1$ mv .key .password .secrets.txt .hidden/
mv: target '.hidden/': No such file or directory
rsarikaya@cis106:~/lab6-challenge1$ mv .key .password .secrets.txt code/.hidden/
rsarikaya@cis106:~/lab6-challenge1$ mv instructions.docx notes.doc submission.pdf documents/
rsarikaya@cis106:~/lab6-challenge1$ mv challenge.py program.py code/hmw/
rsarikaya@cis106:~/lab6-challenge1$ tree -a
.
├── assets
│   ├── audio
│   │   ├── song1.mp3
│   │   └── song2.mp3
│   ├── imgs
│   │   ├── debian.png
│   │   └── tux.png
│   └── video
│       ├── earth.mp4
│       └── lain.mp4
└── code
    ├── bash
    │   └── example
    │       ├── hello.sh
    │       └── script.sh
    └── .hidden
        └── .key
```

```
1/1 ✓ + ⌂ ⌂ Tiliix: rsarikaya@cis106: ~/lab6-challenge1
1: rsarikaya@cis106: ~/lab6-challenge1
└── example
    └── hello.sh
        └── script.sh
├── .hidden
│   ├── .key
│   ├── .password
│   └── .secrets.txt
├── hmw
│   └── challenge.py
│       └── program.py
├── python
├── documents
│   ├── instructions.docx
│   ├── notes.doc
│   └── submission.pdf
└── garbage.txt
.
└── .git
    ├── branches
    ├── config
    ├── description
    ├── HEAD
    └── hooks
        ├── applypatch-msg.sample
        ├── commit-msg.sample
        ├── fsmonitor-watchman.sample
        ├── post-update.sample
        ├── pre-applypatch.sample
        ├── pre-commit.sample
        ├── pre-merge-commit.sample
        ├── prepare-commit-msg.sample
        ├── pre-push.sample
        ├── pre-rebase.sample
        ├── pre-receive.sample
        ├── push-to-checkout.sample
        ├── sendemail-validate.sample
        └── update.sample
    ├── index
    ├── info
    │   └── exclude
    ├── logs
    │   ├── HEAD
    │   └── refs
    │       ├── heads
    │       │   ├── main
    │       │   └── remotes
    │       └── origin
    │           └── HEAD
    └── objects
        ├── info
        └── pack
```

```
1/1 ✓ + ⌂ ⌂ Tiliix: rsarikaya@cis106: ~/lab6-challenge1
1: rsarikaya@cis106: ~/lab6-challenge1
└── packed-refs
    ├── pack-b7c3db0c187b21fe55e625a5a62958c481f4d2cb.idx
    ├── pack-b7c3db0c187b21fe55e625a5a62958c481f4d2cb.pack
    └── pack-b7c3db0c187b21fe55e625a5a62958c481f4d2cb.rev
.
└── refs
    ├── heads
    │   ├── main
    │   └── remotes
    │       └── origin
    └── tags
        ├── HEAD
        └── no-longer-needed.txt
    └── to-be-deleted.txt
29 directories, 47 files
rsarikaya@cis106:~/lab6-challenge1$ sudo rm -rf .git/
[sudo] password for rsarikaya:
rsarikaya@cis106:~/lab6-challenge1$ tree -A
.
├── assets
│   ├── audio
│   │   ├── song1.mp3
│   │   └── song2.mp3
│   ├── imgs
│   │   ├── debian.png
│   │   └── tux.png
│   └── video
│       ├── earth.mp4
│       └── lain.mp4
├── code
│   ├── bash
│   │   └── example
│   │       ├── hello.sh
│   │       └── script.sh
│   ├── hmw
│   │   └── challenge.py
│   │       └── program.py
│   └── python
├── documents
│   ├── instructions.docx
│   ├── notes.doc
│   └── submission.pdf
└── garbage.txt
.
└── no-longer-needed.txt
    └── to-be-deleted.txt
11 directories, 16 files
rsarikaya@cis106:~/lab6-challenge1$ cd documents/code/python/
bash: cd: too many arguments
rsarikaya@cis106:~/lab6-challenge1$ cp -r documents/code/python/
```

```
1/1 ✓ + ⌂ □ Tilix: rsarikaya@cis106: ~/lab6-challenge1
1:rsarikaya@cis106:~/lab6-challenge1
└── program.py
    ├── documents
    │   ├── instructions.docx
    │   ├── notes.doc
    │   └── submission.pdf
    ├── garbage.txt
    └── no-longer-needed.txt
    └── to-be-deleted.txt

11 directories, 16 files
rsarikaya@cis106:~/lab6-challenge1$ cd documents/ code/python/
bash: cd: too many arguments
rsarikaya@cis106:~/lab6-challenge1$ cp -r documents/ code/python/
rsarikaya@cis106:~/lab6-challenge1$ tree -A
.
+-- assets
|   +-- audio
|   |   ├── song1.mp3
|   |   └── song2.mp3
|   +-- imgs
|   |   ├── debian.png
|   |   └── tux.png
|   +-- video
|   |   ├── earth.mp4
|   |   └── lain.mp4
+-- code
|   +-- bash
|   |   +-- example
|   |   |   └── hello.sh
|   |   +-- hmw
|   |   |   └── challenge.py
|   |   └── python
|   |       +-- documents
|   |       |   ├── instructions.docx
|   |       |   ├── notes.doc
|   |       |   └── submission.pdf
|   +-- documents
|   |   ├── instructions.docx
|   |   ├── notes.doc
|   |   └── submission.pdf
|   ├── garbage.txt
|   └── no-longer-needed.txt
    └── to-be-deleted.txt

12 directories, 19 files
rsarikaya@cis106:~/lab6-challenge1$
```

Challenge Q2

```
Nov15 9:33 PM
Tilix: rsarikaya@cis106: ~
1/1 ✓ + ⌂ □ Tilix: rsarikaya@cis106: ~
1:rsarikaya@cis106: ~
rsarikaya@cis106:~$ git clone https://github.com/linuxworkshop67/lab6-challenge2
Cloning into 'lab6-challenge2'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
rsarikaya@cis106:~$ cd lab6-challenge2/
rsarikaya@cis106:~/Lab6-Challenge2$ cd
rsarikaya@cis106:~$ mv ~/Downloads/pixels-iriser-1366957.jpg lab
lab6files/(2)/ lab6-challenge1/ lab6-challenge2/
rsarikaya@cis106:~$ mv ~/Downloads/pixels-iriser-1366957.jpg lab6-challenge2/img1.jpg
rsarikaya@cis106:~$ mv ~/Downloads/pixels-pixabay-33 lab6-challenge2/img2.jpg
mv: cannot stat '/home/rsarikaya/Downloads/pixels-pixabay-33': No such file or directory
rsarikaya@cis106:~$ mv ~/Downloads/pixels-pixabay-33109.jpg lab6-challenge2/img2.jpg
rsarikaya@cis106:~$ mv ~/Downloads/pixels-pixabay-33045.jpg lab6-challenge2/img3.jpg
rsarikaya@cis106:~$ tree -a ~/Lab6-Challenge2/
/home/rsarikaya/lab6-challenge2/
+-- .git
|   +-- branches
|   +-- config
|   +-- description
|   +-- HEAD
|   +-- hooks
|   |   +-- applypatch-msg.sample
|   |   +-- commit-msg.sample
|   |   +-- fsmonitor-watchman.sample
|   |   +-- post-update.sample
|   |   +-- pre-applypatch.sample
|   |   +-- pre-commit.sample
|   |   +-- pre-merge-commit.sample
|   |   +-- prepare-commit-msg.sample
|   |   +-- pre-push.sample
|   |   +-- pre-rebase.sample
|   |   +-- pre-receive.sample
|   |   +-- push-to-checkout.sample
|   |   +-- sendemail-validate.sample
|   +-- update.sample
+-- index
+-- info
+-- exclude
+-- logs
|   +-- HEAD
|   +-- refs
|   |   +-- heads
|   |   |   +-- main
|   |   |   +-- remotes
|   |   |   +-- origin
|   |   |   +-- HEAD
+-- objects
```

```
1/1 + 🔍 ×
Tiliix: rsarikaya@cis106: ~
1:rsarikaya@cis106: ~
└── .git
    ├── post-update.sample
    ├── pre-applypatch.sample
    ├── pre-commit.sample
    ├── pre-merge-commit.sample
    ├── prepare-commit-msg.sample
    ├── pre-push.sample
    ├── pre-rebase.sample
    ├── pre-receive.sample
    ├── push-to-checkout.sample
    └── sendemail-validate.sample
        └── update.sample
    ├── index
    ├── info
    │   └── exclude
    ├── logs
    │   └── HEAD
    │       └── refs
    │           └── heads
    │               └── main
    │                   └── remotes
    │                       └── origin
    │                           └── HEAD
    ├── objects
    │   └── info
    │       └── pack
    │           ├── pack-300c72cbc22c4bd86f6539e987af2a5fa1a5624.idx
    │           ├── pack-300c72cbc22c4bd86f6539e987af2a5fa1a5624.pack
    │           └── pack-300c72cbc22c4bd86f6539e987af2a5fa1a5624.rev
    ├── packed-refs
    │   └── refs
    │       └── heads
    │           └── main
    │               └── remotes
    │                   └── origin
    │                       └── HEAD
    └── tags
        └── img1.jpg
        └── img2.jpg
        └── img3.jpg
    └── index.html

18 directories, 32 files
rsarikaya@cis106:~$ ls -1X lab6-challenge2/
index.html
img1.jpg
img2.jpg
img3.jpg
rsarikaya@cis106:~$ xdg-open lab6-challenge2/index.html
rsarikaya@cis106:~$
```

Index html (firefox) Screenshots



