Final Exam Submission

Q1

q1.3

Q2

```
tavanburen@tavanburen-VirtualBox: ~/midtermfiles3/question2

File   Edit   View   Search   Terminal   Help

tavanburen@tavanburen-VirtualBox:~/midtermfiles3/question2$ grep -- "src" index
.html
        <script src="https://use.fontawesome.com/releases/v6.1.0/js/all.js" cros
sorigin="anonymous"></script>
                                <img class="img-fluid" src="assets/img/portfolio-1.
g" alt="..." />
                                <img class="img-fluid" src="assets/img/portfolio-2.
g" alt="..." />
                                <img class="img-fluid" src="assets/img/portfolio-3.
g" alt="..." />
                                <img class="img-fluid" src="assets/img/portfolio-4.
g" alt="..." />
            <iframe src="https://maps.google.com/maps?f=q&amp;source=s_q&amp;hl=
en&amp;geocode=&amp;q=Twitter,+Inc.,+Market+Street,+San+Francisco,+CA&amp;aq=0&a
mp;oq=twitter&amp;sll=28.659344,-81.187888&amp;sspn=0.128789,0.264187&amp;ie=UT
8&amp;hq=Twitter,+Inc.,+Market+Street,+San+Francisco,+CA&amp;t=m&amp;z=15&amp;i
loc=A&amp;output=embed"></iframe>
        <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/boots
rap.bundle.min.js"></script>
        <script src="js/scripts.js"></script>
tavanburen@tavanburen-VirtualBox:~/midtermfiles3/question2$ grep -- "href" index
.html
        <link rel="icon" type="image/x-icon" href="assets/favicon.ico" />
        <link href="https://cdnjs.cloudflare.com/ajax/libs/simple-line-icons/2.
```

```
tavanburen@tavanburen-VirtualBox: ~/midtermfiles3/question2

File   Edit   View   Search   Terminal   Help

        <script src="js/scripts.js"></script>
tavanburen@tavanburen-VirtualBox:~/midtermfiles3/question2$ grep -- "href" index
.html
        <link rel="icon" type="image/x-icon" href="assets/favicon.ico" />
        <link href="https://cdnjs.cloudflare.com/ajax/libs/simple-line-icons/2.5
.5/css/simple-line-icons.min.css" rel="stylesheet" />
        <link href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,
400,700,300italic,400italic,700italic" rel="stylesheet" type="text/css" />
        <link href="css/styles.css" rel="stylesheet" />
        <a class="menu-toggle rounded" href="#"><i class="fas fa-bars"></i></a>
                <li class="sidebar-brand"><a href="#page-top">Start Bootstrap</a
></li>
                <li class="sidebar-nav-item"><a href="#page-top">Home</a></li>
                <li class="sidebar-nav-item"><a href="#about">About</a></li>
                <li class="sidebar-nav-item"><a href="#services">Services</a></l
i>
                <li class="sidebar-nav-item"><a href="#portfolio">Portfolio</a><
/li>
                <li class="sidebar-nav-item"><a href="#contact">Contact</a></li>
        <a class="btn btn-primary btn-xl" href="#about">Find Out More</a
>
                        <a href="https://unsplash.com/">Unsplash</a>
                    <a class="btn btn-dark btn-xl" href="#services">What We
Offer</a>
```

Q3

```
                    tavanburen@tavanburen-VirtualBox: ~              —    □    ✕

 File  Edit  View  Search  Terminal  Help
tavanburen@tavanburen-VirtualBox:~$ ls midtermfiles3/question3
csv  pdfs
tavanburen@tavanburen-VirtualBox:~$ ls midtermfiles3/question3/csv
users.csv
tavanburen@tavanburen-VirtualBox:~$ man grep
tavanburen@tavanburen-VirtualBox:~$ man awk
tavanburen@tavanburen-VirtualBox:~$ cat midtermfiles3/question3/csv/users.csv |
tr ; , > users-modified.csv
tr: missing operand
Try 'tr --help' for more information.
,: command not found
tavanburen@tavanburen-VirtualBox:~$ cat midtermfiles3/question3/csv/users.csv |
tr ';' ',' > users-modified.csv
tavanburen@tavanburen-VirtualBox:~$
```

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                    tavanburen@tavanburen-VirtualBox: ~              —    □    ✕

 File  Edit  View  Search  Terminal  Help
Try 'tr --help' for more information.
,: command not found
tavanburen@tavanburen-VirtualBox:~$ cat midtermfiles3/question3/csv/users.csv |
tr ';' ',' > users-modified.csv
tavanburen@tavanburen-VirtualBox:~$ cat users-modified.csv
Username, Identifier,One-time password,Recovery code,First name,Last name,Depart
ment,Location
booker12,9012,12se74,rb9012,Rachel,Booker,Sales,Manchester
grey07,2070,04ap67,lg2070,Laura,Grey,Depot,London
johnson81,4081,30no86,cj4081,Craig,Johnson,Depot,London
jenkins46,9346,14ju73,mj9346,Mary,Jenkins,Engineering,Manchester
smith79,5079,09ja61,js5079,Jamie,Smith,Engineering,Manchestertavanburen@tavanbur
en-VirtualBox:~$ cat users-modified.csv | cut -d "," 1,3
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
tavanburen@tavanburen-VirtualBox:~$  cut -d "," -f 1,3 users-modified.csv
Username,One-time password
booker12,12se74
grey07,04ap67
johnson81,30no86
jenkins46,14ju73
smith79,09ja61
tavanburen@tavanburen-VirtualBox:~$ nano
```

```
                              tavanburen@tavanburen-VirtualBox: ~                    —  □  ✕

  File  Edit  View  Search  Terminal  Help
     GNU nano 6.2                      users-and-pass.csv *
USERS,PASS
grey07,04ap67
jenkins46,14ju73
johnson81,30no86
smith79,09ja61




                                   [ Read 4 lines ]
^G Help        ^O Write Out ^W Where Is  ^K Cut        ^T Execute   ^C Location
^X Exit        ^R Read File ^\ Replace    ^U Paste      ^J Justify   ^/ Go To Line
```

```
                              tavanburen@tavanburen-VirtualBox: ~                    —  □  ✕

 File  Edit  View  Search  Terminal  Help
-n 4 | sort > users-and-pass.csv
tavanburen@tavanburen-VirtualBox:~$ nano users-
tavanburen@tavanburen-VirtualBox:~$ cut -d "," -f 1,3 users-modified.csv | tail
-n 4 | sort | users-and-pass.csv
users-and-pass.csv: command not found
tavanburen@tavanburen-VirtualBox:~$ cut -d "," -f 1,3 users-modified.csv | tail
-n 4 | sort
grey07,04ap67
jenkins46,14ju73
johnson81,30no86
smith79,09ja61
tavanburen@tavanburen-VirtualBox:~$ cut -d "," -f 1,3 users-modified.csv | tail
-n 4 | sort > users-and-pass.csv
tavanburen@tavanburen-VirtualBox:~$ nano users-and-pass.csv
tavanburen@tavanburen-VirtualBox:~$ cat users-
users-and-pass.csv  users-modified.csv
tavanburen@tavanburen-VirtualBox:~$ cat users-and-pass.csv | column -t -s ','
USERS      PASS
grey07     04ap67
jenkins46  14ju73
johnson81  30no86
smith79    09ja61
```

Q4

```
tavanburen@tavanburen-VirtualBox: ~                    _  □  ✕

File   Edit   View   Search   Terminal   Help

  GNU nano 6.2                          file_info.txt
1842228 -rw-rw-r-- 1 tavanburen tavanburen 699 Dec 14 16:10 midtermfiles3/quest>




                              [ Read 1 line ]
^G Help       ^O Write Out ^W Where Is  ^K Cut        ^T Execute   ^C Location
^X Exit       ^R Read File ^\ Replace    ^U Paste      ^J Justify   ^/ Go To Line
```

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tavanburen@tavanburen-VirtualBox: ~                    _  □  ✕

File   Edit   View   Search   Terminal   Help

tavanburen@tavanburen-VirtualBox:~$ ls -lh midtermfiles3/question1/*.png
-rw-rw-r-- 1 tavanburen tavanburen 4.0K Dec 14 16:10 midtermfiles3/question1/Mac
OS_logo.png
-rw-rw-r-- 1 tavanburen tavanburen  699 Dec 14 16:10 midtermfiles3/question1/Ubu
ntu-logo.png
-rw-rw-r-- 1 tavanburen tavanburen  486 Dec 14 16:10 midtermfiles3/question1/Win
dows_logo.png
tavanburen@tavanburen-VirtualBox:~$ ls -lh midtermfiles3/question1/Ubuntu-logo.p
ng
-rw-rw-r-- 1 tavanburen tavanburen 699 Dec 14 16:10 midtermfiles3/question1/Ubun
tu-logo.png
tavanburen@tavanburen-VirtualBox:~$ ls -lh midtermfiles3/question1/Ubuntu-logo.p
ng > file_info.txt
tavanburen@tavanburen-VirtualBox:~$ nano file_info.txt
tavanburen@tavanburen-VirtualBox:~$ ls -lhi midtermfiles3/question1/Ubuntu-logo.
png > file_info.txt
tavanburen@tavanburen-VirtualBox:~$ nano file_info.txt
tavanburen@tavanburen-VirtualBox:~$ mv midtermfiles3/question1/Ubuntu-logo.png /
usr/share/backgrounds/RenamedUbunutu.png
mv: cannot move 'midtermfiles3/question1/Ubuntu-logo.png' to '/usr/share/backgro
unds/RenamedUbunutu.png': Permission denied
tavanburen@tavanburen-VirtualBox:~$ sudo mv midtermfiles3/question1/Ubuntu-logo.
png /usr/share/backgrounds/RenamedUbunutu.png
[sudo] password for tavanburen:
```

```
                          tavanburen@tavanburen-VirtualBox: ~          —    □    ✕

 File   Edit   View   Search   Terminal   Help
            ─── linuxnotes.pdf
            ─── networkingbook.pdf
            ─── networkinghmw.pdf
            └── networkingnotes.pdf              7 / 7

9 directories, 35 files
tavanburen@tavanburen-VirtualBox:~$ man tree
tavanburen@tavanburen-VirtualBox:~$ tree --filelimit 10 midtermfiles3/
midtermfiles3/
├── question1   [17 entries exceeds filelimit, not opening dir]
├── question2
│   ├── assets
│   │   ├── favicon.ico
│   │   └── img
│   │       ├── bg-callout.jpg
│   │       ├── bg-masthead.jpg
│   │       ├── portfolio-1.jpg
│   │       ├── portfolio-2.jpg
│   │       ├── portfolio-3.jpg
│   │       └── portfolio-4.jpg
│   ├── css
│   │   └── styles.css
│   ├── index.html
│   └── js
```