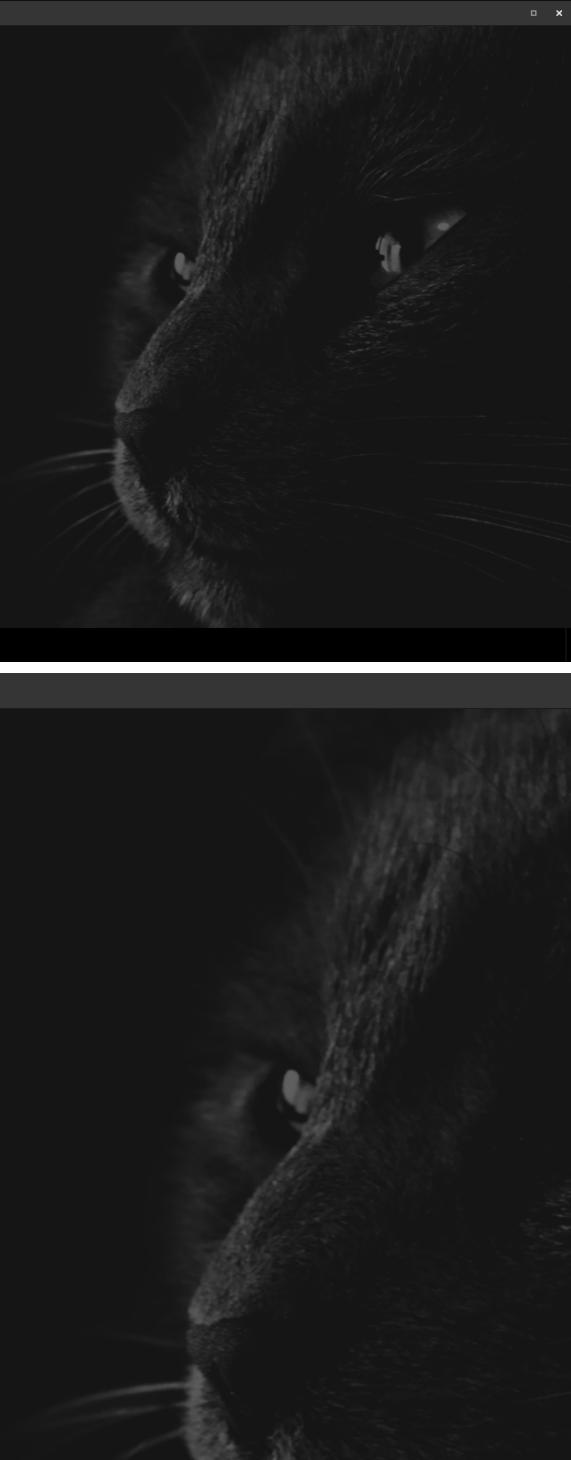


# lab7

## Question 1



```
Applications Nov 29 10:08 PM ${student}: rap@cis106:~$  
curl -s https://cis106.com/assets/scripts/wildcardpractice.sh | bash  
--2025-11-29 22:01:26-- https://cis106.com/assets/logo100x100.png  
Resolving cis106.com (cis106.com)... 185.199.108.153  
Connecting to cis106.com (cis106.com)|185.199.108.153|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 3520 (3.4K) [image/png]  
Saving to: 'logo100x100.png'  
  
logo100x100.png 100% 3.44K --.-KB/s in 0s  
2025-11-29 22:01:26 (71.6 MB/s) - 'logo100x100.png' saved [3520/3520]  
  
rap@cis106:~$ ls wildcardpractice/*random*  
wildcardpractice/_random.csv  
wildcardpractice/random_text.md  
wildcardpractice/randomtext.txt  
rap@cis106:~$ ls wildcardpractice/*.cvs  
ls: cannot access 'wildcardpractice/*.cvs': No such file or directory  
rap@cis106:~$ ls wildcardpractice/*.csv wildcardpractice/*.txt  
ls: cannot access 'wildcardpractice/*.cvs': No such file or directory  
wildcardpractice/78food.txt  
wildcardpractice/randomtext.txt  
rap@cis106:~$ ls wildcardpractice/*.txt wildcardpractice/*.csv  
wildcardpractice/78food.txt  
wildcardpractice/_random.csv  
wildcardpractice/randomtext.txt  
wildcardpractice/Sample1234.csv  
wildcardpractice/sample123.csv  
rap@cis106:~$ ls wildcardpractice/random*  
wildcardpractice/random_text.md  
wildcardpractice/randomtext.txt  
rap@cis106:~$ ls wildcardpractice/random*.md  
wildcardpractice/random_text.md  
rap@cis106:~$  
  
2: rap@cis106:~${TR} ~  
rap@cis106:~$ ls wildcardpractice/*.???.  
wildcardpractice/2020-08-27-capture.raw  
wildcardpractice/2022-02-02-camera.jpg  
wildcardpractice/78food.txt  
wildcardpractice/allfiles.lst  
wildcardpractice/Allfiles.lst  
wildcardpractice/baik.exe  
wildcardpractice/baik.pdf  
wildcardpractice/baik.xml  
wildcardpractice/beatk.exe  
wildcardpractice/beatk.pdf  
wildcardpractice/beatk.xml  
wildcardpractice/bk.exe  
wildcardpractice/bk.pdf  
wildcardpractice/bk.xml  
wildcardpractice/book.exe  
wildcardpractice/book.pdf  
wildcardpractice/book.xml  
wildcardpractice/fail.log  
wildcardpractice/file.log  
wildcardpractice/logo100x100.png  
wildcardpractice/_random.csv  
wildcardpractice/randomtext.txt  
wildcardpractice/Sample1234.csv  
wildcardpractice/sample123.csv  
wildcardpractice/sample1.doc  
wildcardpractice/sample1.xls  
wildcardpractice/sample.pdf  
wildcardpractice/Sample.pdf
```

```
wildcardpractice/logo100x100.png
wildcardpractice/_random.csv
wildcardpractice/randomtext.txt
wildcardpractice/Sample1234.csv
wildcardpractice/sample123.csv
wildcardpractice/sample1.doc
wildcardpractice/sample1.xls
wildcardpractice/sample.pdf
wildcardpractice/Sample.pdf
rap@cis106:~$ ls wildcardpractice/.??*
wildcardpractice/.bash_history
wildcardpractice/.hidden1.doc
wildcardpractice/.hidden1.py
wildcardpractice/.hidden2.doc
wildcardpractice/.hidden2.py
wildcardpractice/.hiddenFile.txt
rap@cis106:~$ ls wildcardpractice/b??*.???
wildcardpractice/baik.exe
wildcardpractice/baik.pdf
wildcardpractice/baik.xml
wildcardpractice/beatk.exe
wildcardpractice/beatk.pdf
wildcardpractice/beatk.xml
wildcardpractice/book.exe
wildcardpractice/book.pdf
wildcardpractice/book.xml
rap@cis106:~$ ls wildcardpractice/sample?.*
wildcardpractice/sample1.doc
wildcardpractice/sample1.xls
rap@cis106:~$ ls wildcardpractice/.??*.??
wildcardpractice/.hidden1.py
wildcardpractice/.hidden2.py
rap@cis106:~$ █
```

```
rap@cis106:~$ ls wildcardpractice/[a-z]*.???
wildcardpractice/allfiles.lst
wildcardpractice/baik.exe
wildcardpractice/baik.pdf
wildcardpractice/baik.xml
wildcardpractice/beatk.exe
wildcardpractice/beatk.pdf
wildcardpractice/beatk.xml
wildcardpractice/bk.exe
wildcardpractice/bk.pdf
wildcardpractice/bk.xml
wildcardpractice/book.exe
wildcardpractice/book.pdf
wildcardpractice/book.xml
wildcardpractice/fail.log
wildcardpractice/file.log
wildcardpractice/logo100x100.png
wildcardpractice/randomtext.txt
wildcardpractice/sample123.csv
wildcardpractice/sample1.doc
wildcardpractice/sample1.xls
wildcardpractice/sample.pdf
rap@cis106:~$ ls wildcardpractice/[A-Z]*[0-9]*
wildcardpractice/Sample1234.csv
rap@cis106:~$ ls wildcardpractice/[0-9][0-9][0-9][0-9]*
wildcardpractice/2020-08-27-capture.raw
wildcardpractice/2021-04-10-screenshot.jpeg
wildcardpractice/2022-02-02-camera.jpg
rap@cis106:~$ ls wildcardpractice/[!AEIOUaeiou]*
wildcardpractice/2020-08-27-capture.raw
wildcardpractice/2021-04-10-screenshot.jpeg
wildcardpractice/2022-02-02-camera.jpg
wildcardpractice/78food.txt
wildcardpractice/baik.exe
wildcardpractice/baik.pdf
```

```
rap@cis106:~$ ls wildcardpractice/[!AEIOUaeiou]*
wildcardpractice/2020-08-27-capture.raw
wildcardpractice/2021-04-10-screenshot.jpeg
wildcardpractice/2022-02-02-camera.jpg
wildcardpractice/78food.txt
wildcardpractice/baik.exe
wildcardpractice/baik.pdf
wildcardpractice/baik.xml
wildcardpractice/beatk.exe
wildcardpractice/beatk.pdf
wildcardpractice/beatk.xml
wildcardpractice/bk.exe
wildcardpractice/bk.pdf
wildcardpractice/bk.xml
wildcardpractice/book.exe
wildcardpractice/book.pdf
wildcardpractice/book.xml
wildcardpractice/fail.log
wildcardpractice/file.log
wildcardpractice/logo100x100.png
wildcardpractice/_random.csv
wildcardpractice/random_text.md
wildcardpractice/randomtext.txt
wildcardpractice/Sample1234.csv
wildcardpractice/sample123.csv
wildcardpractice/sample1.doc
wildcardpractice/sample1.xls
wildcardpractice/sample99.docx
wildcardpractice/samplejsonfile.json
wildcardpractice/sample.pdf
wildcardpractice/Sample.pdf
wildcardpractice/samplesite.html
rap@cis106:~$ ls wildcardpractice/[:punct:]*
wildcardpractice/_random.csv
rap@cis106:~$
```

```
2: rap@cis106: ~${TR} ▼  
rap@cis106:~$ mkdir -p music/jazz/mp3files/new  
rap@cis106:~$ mkdir -p music/jazz/oggfiles/new  
rap@cis106:~$ mkdir -p music/jazz/videos/new  
rap@cis106:~$ mkdir -p music/rock/mp3files/new  
rap@cis106:~$ mkdir -p music/rock/oggfiles/new  
rap@cis106:~$ mkdir -p music/rock/videos/new  
rap@cis106:~$ tree music/  
music/  
└── jazz  
    ├── mp3files  
    │   └── new  
    ├── oggfiles  
    │   └── new  
    └── videos  
        └── new  
└── rock  
    ├── mp3files  
    │   └── new  
    ├── oggfiles  
    │   └── new  
    └── videos  
        └── new  
  
15 directories, 0 files  
rap@cis106:~$ █
```

## Question 2

```
rap@cis106:~$ mkdir -p wallpapers/cars/{1080,2k,4k}
rap@cis106:~$ tree wallpapers
wallpapers
└── cars
    ├── 1080
    ├── 2k
    └── 4k

5 directories, 0 files
rap@cis106:~$ █
```

```
rap@cis106:~$ mkdir -p assets/{imgs,video}/{large,small}
rap@cis106:~$ tree assets
assets
├── audio
├── imgs
│   └── large
│       └── small
└── this-file-is-empty.txt
└── video
    └── large
        └── small

8 directories, 1 file
rap@cis106:~$ █
```

### Question 3

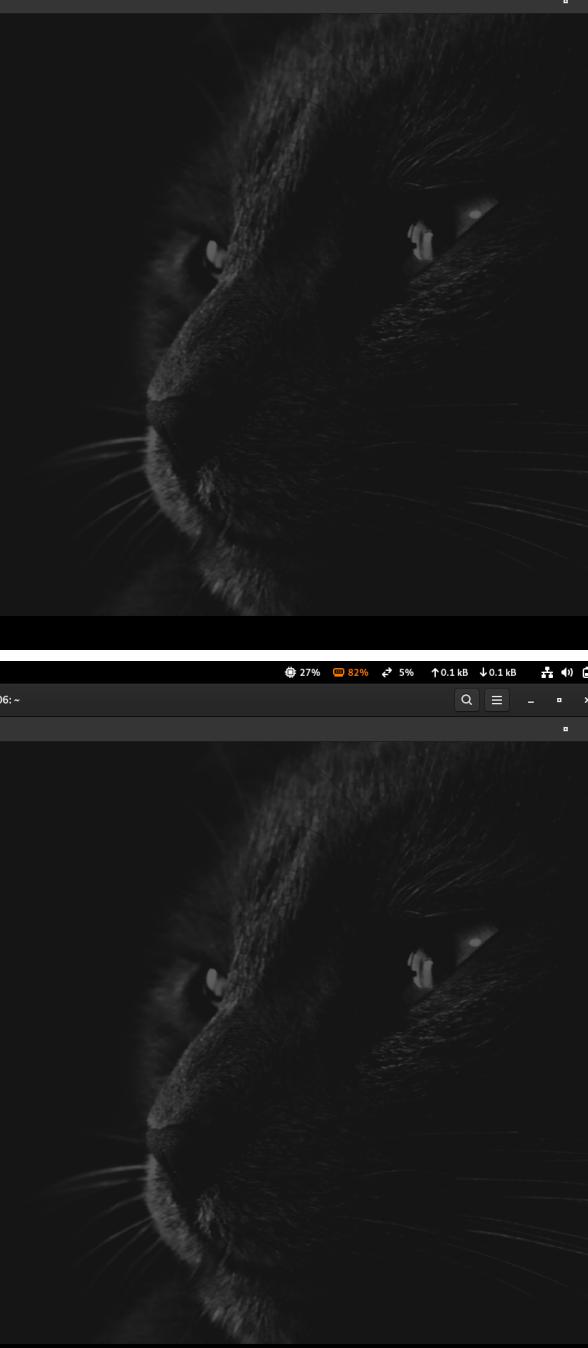
Applications Nov 29 11:07 PM 33% 81% 5% 0.1 kB 0.1 kB

2:rap@cis106:~\$[TR] ~

```
bash: chq-lab7.sh: command not found
rap@cis106:~$ curl https://cis106.com/assets/scripts/chq-lab7.sh | bash
% Total    % Received % Xferd  Average Speed   Time   Time  Current
          Dload  Upload   Total Spent  Left  Speed
0       0     0      0      0      0  --::-- --::-- 100  395  100  395  0       0  7349      0  --::-- --::-- --::--  7452
mkdir: cannot create directory '/home/rap/website_ch1_lab7': File exists
rap@cis106:~$ rm -rf /home/rap/website_ch1_lab7
rap@cis106:~$ cd
rap@cis106:~$ curl https://cis106.com/assets/scripts/chq-lab7.sh | bash
% Total    % Received % Xferd  Average Speed   Time   Time  Current
          Dload  Upload   Total Spent  Left  Speed
0       0     0      0      0      0  --::-- --::-- 100  395  100  395  0       0  5209      0  --::-- --::-- --::--  5337
rap@cis106:~$ ls -d */
cis106      lab5files/      scripts/
code/        lab6-challenge1/ snap/
colors/      lab6-challenge2/ snapshots/
data/        marstenHouse/   student/
Desktop/    music/         Templates/
documents/  Music/         Videos/
Documents/  organized/    website/
Downloads/  Pictures/     website_ch1_lab7/
games/      practicals/   wildcardpractice/
inClassActivity/ Public/
rap@cis106:~$ cd <website_ch1_lab7/>
bash: syntax error near unexpected token `newline'
rap@cis106:~$ cd website_ch1_lab7/
rap@cis106:~/website_ch1_lab7$ ls tree
ls: cannot access 'tree': No such file or directory
rap@cis106:~/website_ch1_lab7$ cd ~
rap@cis106:~$ lls
bash: lls: command not found
rap@cis106:~$ tree
.
├── cis106
│   ├── cheats
└── ...

```

A screenshot of a Linux desktop environment. The desktop background is a dark, grainy image of a cat's face. In the top-left corner, there's a dock with icons for a terminal, file manager, and other applications. The top bar shows the application menu, system status (24% battery, 81% volume, 5% signal), and the date/time (Nov 29 11:07 PM). The main window is a file manager showing a directory structure under 'cis106'. The 'labs' folder contains several subfolders named 'question1' through 'question7', each containing files like 'UbuntuDesktop.png', 'homework.md', and 'play.md'. Other files in the 'cis106' root include 'cheats', 'cpufetch.png', and 'Dropped Image (2).png'. The right side of the screen is mostly occupied by the large, dark-themed window of the file manager.



```
Applications Nov 29 11:08 PM ${student}: rap@cis106:~$[TR] ~ └── wwwroot └── cat.jpg practicets ├── book.txt ├── countries.xml ├── history-debian.pdf ├── homework.docx ├── movie.mp4 ├── people.csv ├── song.mp3 └── tux-nobg.png └── tux-penguin.gif practicets.tar.xz Public scripts └── bin bash.txt └── challenge_lab4.sh └── hello2.sh └── hello.sh └── la4.script3.sh └── lab4-script1.sh └── lab4-script2.sh └── lab4-script3.sh └── New Document.txt └── SCRIPTS.SH └── SCRIPTS.txt └── todo.md scrIPT.sh snap └── code └── 208 └── 211 └── common └── current -> 208 snapshots new Applications Nov 29 11:08 PM ${student}: rap@cis106:~$[TR] ~ └── 2022-02-02-camera.jpg └── 78food.txt └── allfiles.lst └── Allfiles.lst └── baik.exe └── baik.pdf └── baik.xml └── beatk.exe └── beatk.pdf └── beatk.xml └── bk.exe └── bk.pdf └── bk.xml └── book.exe └── book.pdf └── book.xml └── fail.log └── file.log └── logo100x100.png └── _random.csv └── random_text.md └── randomtext.txt └── Sample1234.csv └── sample123.csv └── sample1.doc └── sample1.xls └── sample99.docx └── samplejsonfile.json └── sample.pdf └── Sample.pdf └── samplesite.html wildcards-in-class-activity-instructions.html 136 directories, 408 files rap@cis106:~$
```