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## Week Report 6

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### \* Wildcard:

Example: file\*.txt (Matches: file1.txt, file2.txt, file123.txt, etc.)

Example: \*.jpg (Matches: image.jpg, photo.jpg, background.jpg, etc.)

Example: *data* (Matches: userdata.txt, datafile.csv, bigdata\_analysis.xlsx, etc.)

### ? Wildcard:

Example: image?.png (Matches: image1.png, imageA.png, but not image12.png or imageXY.png)

Example: file?.txt (Matches: file1.txt, fileA.txt, but not file12.txt or fileXYZ.txt)

Example: doc-?.docx (Matches: doc-1.docx, doc-A.docx, but not doc-12.docx or doc-XYZ.docx)

### [] Wildcard:

Example: file[123].txt (Matches: file1.txt, file2.txt, file3.txt, but not file4.txt or fileA.txt)

Example: data[0-9].csv (Matches: data1.csv, data2.csv, ..., data9.csv, but not data10.csv or dataA.csv)

Example: image[AB].png (Matches: imageA.png, imageB.png, but not imageC.png or image123.png)

### Brace expansion

Brace expansion is a feature available in some command shells (like Bash) that allows you to generate arbitrary strings by specifying a range or a list of values enclosed in curly braces `{}`. Here are three examples of how to use brace expansion:

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Example 1 - Range:

**Command:** `echo file{1..3}.txt`

**Result:** Outputs file1.txt file2.txt file3.txt

Example 2 - List:

**Command:** `echo {apple,orange,banana}_pie`

**Result:** Outputs `apple_pie orange_pie banana_pie`

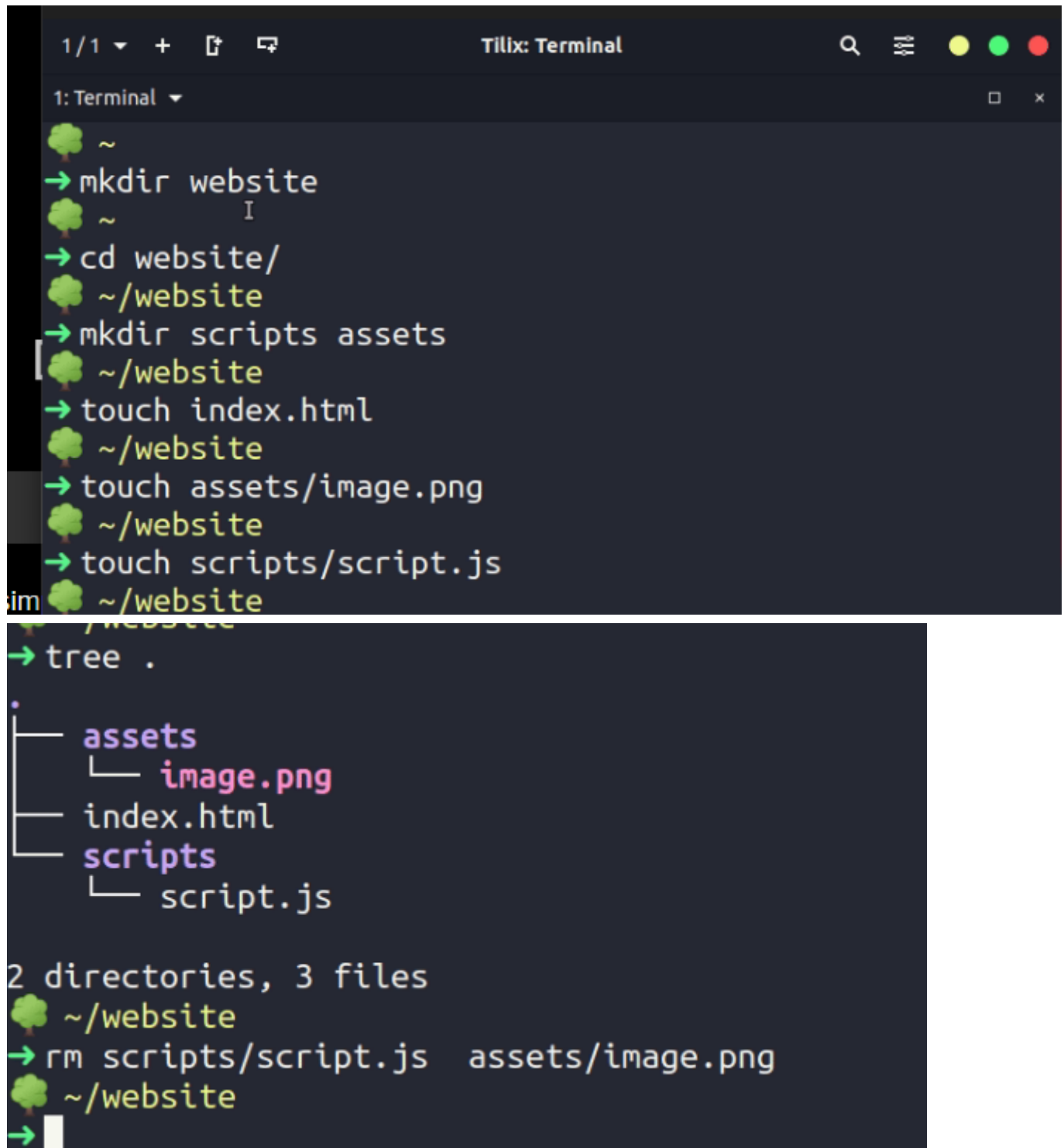
Example 3 - Combination:

**Command:** `mkdir {2019..2021}/{Jan,Feb,Mar}-reports`

**Result:** Creates directories for yearly reports from 2019 to 2021, each containing monthly reports for January, February, and March.

## Practice

Practice 1



```
1/1 + [ ] [ ] Tilix: Terminal
1: Terminal ▾
~
→ mkdir website
~
→ cd website/
~/website
→ mkdir scripts assets
~/website
→ touch index.html
~/website
→ touch assets/image.png
~/website
→ touch scripts/script.js
~/website
im → tree .
.
├── assets
│   └── image.png
├── index.html
└── scripts
    └── script.js

2 directories, 3 files
~/website
→ rm scripts/script.js assets/image.png
~/website
→
```

## Practice 2

```
1: Terminal ▾  
~  
→ cd /usr/share/  
/usr/share  
→ mkdir ~/website  
/usr/share  
→ mkdir -p ~/website/assets/images/small  
/usr/share  
→ touch ~/website/assets/images/small/logo.png  
/usr/share  
→ rm ~/website/assets/images/small/logo.png  
/usr/share  
→ rm -r ~/website/  
/usr/share  
→
```

### Practice 3

```
1: Terminal ▾  
~  
→ mkdir -p website/assets  
~  
→ curl https://cis106.com/assets/samplesite.txt -o ~/website/index.html  
% Total    % Received % Xferd  Average Speed   Time    Time  
Time      Current                      Dload  Upload  Total   Spent  
Left  Speed  
0      0    0      0    0      0      0      0  --:--:--  --:--:--  
0      0    0      0    0      0      0      0  --:--:--  --:--:--  
100    371  100    371    0      0    2688      0  --:--:--  --:--:--  
--:--:-- 2669  
~  
→  
→ mv Downloads/pexels-  
pexels-photo-11319741.jpeg      pexels-tom-verdoot-3181458.jpg  
pexels-photo-7784599.jpeg  
~  
→ mv Downloads/pexels-photo-11319741.jpeg website/assets/  
~  
→ mv Downloads/pexels-photo-7784599.jpeg website/assets/  
~  
→ mv website/assets/pexels-photo-11319741.jpeg website/assets/image.png  
~  
→ mv website/assets/pexels-photo-7784599.jpeg website/assets/image2.png  
~  
→  
→ xdg-open website/index.html  
~  
→ Opening in existing browser session.  
[86426:86426:0100/000000.425720:ERROR:sandbox_linux.cc(377)] InitializeS  
andbox() called with multiple threads in process gpu-process.  
□
```