

MacへのImageMagickインストール

2021.2.19

1. xcodeのインストール

AppStoreで探す



6 GB以上の容量。ダウンロード、インストールに非常に時間がかかる（2時間以上）

2. Homebrewのインストール

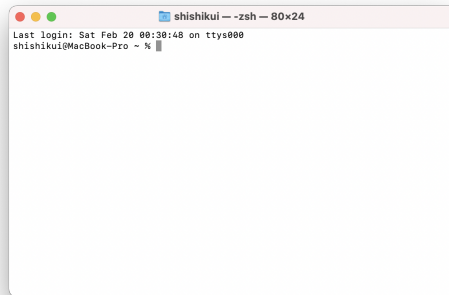
https://brew.sh/index_ja を開く



```
/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

をコピー

Macのターミナルを開く



上記コマンドをペーストしてリターン

数分して終わったら

brew -v

で動作チェック

他に、brewの動作がおかしい時は

brew doctor を実行して、出てきたメッセージを読む。

3. Imagemagickのインストール

ターミナルで

brew install imagemagick

を入力する。

文句が色々出ていたので、brew doctorを実行。

Warning: Some taps are not on the default git origin branch and may not receive updates. If this is a surprise to you, check out the default branch with:

```
git -C $(brew --repo homebrew/core) checkout master
```

Warning: Your Xcode is configured with an invalid path.

You should change it to the correct path:

```
sudo xcode-select --switch /Applications/Xcode.app
```

などと出てきたので、

sudo xcode-select --switch /Applications/Xcode.app

をタイプしたらできるようになった

```
shishikui@MacBook-Pro ~ % brew install imagemagick
==> 8ckb'cUX]b[ \ Htdg.# ca YVfYk "V]bHfUnlVtca #/cHtYg#]Vdb[ !%" " +Ufa * ( SV[[ Sgi f'VcHt
==> 8ckb'cUX]b[ `Zca \ Htdg.#X&- jn_(ck $+k ]+Wci XZcbHbYt#**U+%* YY* & V( %Z/*' XU$W#
##### 100.0%
==> 8ckb'cUX]b[ \ Htdg.# ca YVfYk "V]bHfUnlVtca #/cHtYg#YymdY!&%" 'Ufa * ( SV[[ Sgi f'Vc`
==> 8ckb'cUX]b[ `Zca \ Htdg.#X&- jn_(ck $+k ]+Wci XZcbHbYt#X' , ) X$X%8U) X$, V%- VZ/+`
##### 100.0%
==> 8ckb'cUX]b[ \ Htdg.# ca YVfYk "V]bHfUnlVtca #/cHtYg#dY[ !- X'Ufa * ( SV[[ Sgi f'VcHtYHLf`
==> 8ckb'cUX]b[ `Zca \ Htdg.#X&- jn_(ck $+k ]+Wci XZcbHbYt#) %&%( ' WK+&U+*) +&XU/Y) &WYZ
##### 100.0%
==> 8ckb'cUX]b[ \ Htdg.# ca YVfYk "V]bHfUnlVtca #/cHtYg#]Vh]Z[ ( '$Ufa * ( SV[[ Sgi f'VcHt
==> 8ckb'cUX]b[ `Zca \ Htdg.#X&- jn_(ck $+k ]+Wci XZcbHbYt#) $V%- V$U( ' & V&* &) %& +YU+, ' +
##### 100.0%
==> 8ckb'cUX]b[ \ Htdg.# ca YVfYk "V]bHfUnlVtca #/cHtYg# \ cgtgW]dH- ' )' " S%Ufa * ( SV[[ Sg
==> 8ckb'cUX]b[ `Zca \ Htdg.#X&- jn_(ck $+k ]+Wci XZcbHbYt#%U$%LXX* V) * - &YVZ( * &) - %XV`
##### 100.0%
==> 8ckb'cUX]b[ \ Htdg.# ca YVfYk "V]bHfUnlVtca #/cHtYg#Lca !&$"&Ufa * ( SV[[ Sgi f'VcHtYt
==> 8ckb'cUX]b[ `Zca \ Htdg.#X&- jn_(ck $+k ]+Wci XZcbHbYt#Z+LX$Z %&YZ% V$, , & - %' ( &
##### 100.0%
```

```
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]VXY&")!%$", 'Ufa *( SV[[ Sgi f'Vchi
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf#) * Y XV- U- )%Z/ ZM&Y W' % XX'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#] YHl H$'Z&Ufa *( SV[[ Sgi f'Vchi'
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf# ' - V&V) &VU, * XZJ+ '$- %&' + ' (
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]VZQ!" " S&Ufa *( SV[[ Sgi f'Vchi'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]WY!, '( 'Ufa *( SV[[ Sgi f'VchiYh
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf#+SVU$Z UY+Z YZ' , Z) * ( X' V'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]_ !VtbZ[ !$'- "S' 'Ufa *( SV[[ Sgi '
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf#ZK( (- %Z &&$%&V+YVU' VYZ
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#] XVa !%&' %S'Ufa *( SV[[ Sgi f'Vchi
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf# $%&VZ) %& , +%&Y&$* XY) $+%
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]dYbgi' ( $%&V%&'Ufa *( SV[[ Sg'
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf# V- YU$UX&U% , ) UUV+, (%&&
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]YUX]bY!, '%Ufa *( SV[[ Sgi f'Vchi'
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf# ( $Y+V&V, $YZ-Z- V&+&U) **
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]H! " ( '$Ufa *( SV[[ Sgi f'Vchi
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf#U, Y' * Z Z'- , +Z ( W) V( $ZJ
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]W!_!, " %&S'Ufa *( SV[[ Sgi f'Vc
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf# %Z% ( %' - X, Y' V, X+, ) &&+
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]nl) "&)"Ufa *( SV[[ Sgi f'VchiYHJ
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf#V ( &&$ $) +, + ' ( % YX, %&- ( V
##### 100.0%
```

Warning: Building python@3.9 from source:
The bottle needs the Apple Command Line Tools to be installed.
You can install them, if desired, with:
xcode-select --install

```
=>> 8ckb'cUXj[ \ Htdg.#]Yg'dml cbl cgh'X'cf[ #]UW_U] Yg# ( # , # W- X, ++Z$U- VV$Z & ) ( '
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.#]Yg'dml cbl cgh'X'cf[ #]UW_U] Yg#+#BX#UX$&XY, ( U' WZ' V% ) , XW'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.#]Yg'dml cbl cgh'X'cf[ #]UW_U] Yg#X# #&- , U) $XXY( $) Y%&S&Y' %'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# k k 'dml cb'cf[ #Zd#dml cb# " - %Dml cb!' " - %Hf'! n'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#] ]V&*" + 'Ufa *( SV[[ Sgi f'VchiY
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf# $%Z% X- %&W- U, $* %&( V) X'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]KcVWcc_) %&S'Ufa *( SV[[ Sgi f'Vchi
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf# ' U- XW- XV, V&X$* XW) $- X) X'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]KcVWcc_!l g!%+ - "S'Ufa *( SV[[ Sg'
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf# * $ ( V, - , - W VV% $ SW ( %&$Z) -
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#] bi !| YrcdH&" * "&Ufa *( SV[[ Sgi f'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#] a !c!$"$&." 'Ufa *( SV[[ Sgi f'Vchi'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#] UYX!a ]a Y]bZ!&%'Ufa *( SV[[ Sg'
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf#&W, U+U$&Y%&Z' ] W-Z-VULZY'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#] &)"! ' ( S&Ufa *( SV[[ Sgi f'VchiY"
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf# -- % Z - ( * X$ $, &$VW+Y- +, W'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]V ]Z%&%'Ufa *( SV[[ Sgi f'Vchi
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf# X( U' UW&X$- ( +UZ ( X+ , +V+$*
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]Vef!$( "S'Ufa *( SV[[ Sgi f'Vchi
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]Vca d!%&'Ufa *( SV[[ Sgi f'Vchi
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf#( (VZ- V) U' &X) ZAU X$- Y- UY&('
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]Vrc '!&' "S'Ufa *( SV[[ Sgi f'Vc
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf#( ] Z & %&Z&X- U' YW% V) W'
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#]HlV!&g&%'Ufa *( SV[[ Sgi f'V
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf# ' W- UUU&&) X' * * % ( %&U' V%
##### 100.0%
=>> 8ckb'cUXj[ \ Htdg.# ca YVfYk "V]bHfUmlVta #/cHhYg#] a VUgY!&)" 'Ufa *( SV[[ Sgi f'Vchi
=>> 8ckb'cUXj[ 'Zca \ Htdg.#&- jn_(ck $+k)+'Wci XZcbHbYf#( * ) W' Y' Z & ( +++UV+&+X%&Y%&
##### 100.0%
```

```
=>> 8ckb`cUxj[ \ Hdg.# ca YVfYk "V]bfUmfVta #cHtYg#dYbYf!&") 'Ufa * ( SV[ Sgi f`VcHt
=>> 8ckb`cUxj[ `Zca \ Hdg.#K&- j n.(ck $+k)+`Wci XZcbHbYt#/(, (W+`--V8: %a+$+V8:, ) ZW
##### 100.0%
=>> 8ckb`cUxj[ \ Hdg.# ca YVfYk "V]bfUmfVta #cHtYg#dYb`dY! I&Y 'Ufa * ( SV[ Sgi f`VcHt
=>> 8ckb`cUxj[ `Zca \ Hdg.#K&- j n.(ck $+k)+`Wci XZcbHbYt#)+U$&W VVY Y, U' Y (+XZ) %$
##### 100.0%
=>> 8ckb`cUxj[ \ Hdg.# ca YVfYk "V]bfUmfVta #cHtYg# YVd!%8$`Ufa * ( SV[ Sgi f`VcHtY"
=>> 8ckb`cUxj[ `Zca \ Hdg.#K&- j n.(ck $+k)+`Wci XZcbHbYt#OX` Y$- XV, , U) X, U% %YU( *%ZU
##### 100.0%
=>> 8ckb`cUxj[ \ Hdg.# ca YVfYk "V]bfUmfVta #cHtYg#a U Ya U [W!+`$%4$`Ufa * ( SV[ Sg
=>> 8ckb`cUxj[ `Zca \ Hdg.#K&- j n.(ck $+k)+`Wci XZcbHbYt#(, +VXUM6)% XZ$) +- * $Z$U) Y
##### 100.0%
=>> -bgH`b[ `XYdYbXYbWYg`Zf`Ja U Ya U [W..`]Vdb[ ZZYfmdYz`dY[ Z`]VjZZ[ \ cgrgW]dH`Uca Z`]VXY&`) Z[ YHmI h`]VZz`dWYz`d_!VtbZ[ Z] XVa Z
cdYbgg4 %`ZfYUX`jYzge`jHziWh`zI nZdnh`cb4 ' " Z[ `]VzXcWcc_`zXcWcc_!! g Z[ bi ! [YrtdiZ] a `rcZgUfYX!a Ja Y!jBz`Zi &`) Z`]V YZ`]VefZ`]Vca dZ
]Vtcc`Z`]HtY!W g&Z]a VUgYz`cdYbYfz`cdYb`dY[ `UbX`k YVd`
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`]Vdb[ `
=>> Dci f]b[ ``]Vdb[ !%* " +`Ufa * ( SV[ Sgi f`VcHtYHUF` n`
/opt/homebrew/Cellar/libpng/1.6.37: 27 files, 1.3MB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`ZYfmdY
=>> Dci f]b[ `ZYfmdYI&`%$Y `Ufa * ( SV[ Sgi f`VcHtYHUF` n`
/opt/homebrew/Cellar/freetype/2.10.4: 64 files, 2.3MB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`dY[ `
=>> Dci f]b[ `dY[ !-X`Ufa * ( SV[ Sgi f`VcHtYHUF` n`
/opt/homebrew/Cellar/jpeg/9d: 21 files, 1001.2KB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`]VjZZ
=>> Dci f]b[ ``]VjZZ( `&$`Ufa * ( SV[ Sgi f`VcHtYHUF` n`
/opt/homebrew/Cellar/libtiff/4.2.0: 248 files, 4.7MB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`[ \ cgrgW]dH
=>> Dci f]b[ [ \ cgrgW]dH- `) ' " S`Ufa * ( SV[ Sgi f`VcHtYHUF` n`
/opt/homebrew/Cellar/ghostscript/9.53.3_1: 668 files, 88.8MB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`Uca `
=>> Dci f]b[ `Uca I&$`&$`Ufa * ( SV[ Sgi f`VcHtYHUF` n`
/opt/homebrew/Cellar/aom/2.0.2: 22 files, 6.5MB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`]VXY&`) `
=>> Dci f]b[ ``]VXY&`)!%$`, `Ufa * ( SV[ Sgi f`VcHtYHUF` n`
/opt/homebrew/Cellar/libde265/1.0.8: 22 files, 2.4MB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`[ YHmI h
=>> Dci f]b[ [ YHmI H$`%$`Ufa * ( SV[ Sgi f`VcHtYHUF` n`
/opt/homebrew/Cellar/gettext/0.21: 1,953 files, 20.8MB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`]VZz
=>> Dci f]b[ ``]VZz!` " S&`Ufa * ( SV[ Sgi f`VcHtYHUF` n`
=>> 7 Uj YUrg`
```

libffi is keg-only, which means it was not symlinked into /opt/homebrew, because macOS already provides this software and installing another version in parallel can cause all kinds of trouble.

```
For compilers to find libffi you may need to set:
export LDFLAGS="-L/opt/homebrew/opt/libffi/lib"
export CPPFLAGS="-I/opt/homebrew/opt/libffi/include"
```

```
=>> Gi a Ufmi
/opt/homebrew/Cellar/libffi/3.3_2: 17 files, 617.4KB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`dWY
=>> Dci f]b[ `dWY!, `( `Ufa * ( SV[ Sgi f`VcHtYHUF` n`
/opt/homebrew/Cellar/pcre/8.44: 204 files, 4.6MB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`d_ [ !VtbZ[ `
=>> Dci f]b[ `d_ [ !VtbZ[ !$`&- `&$` `Ufa * ( SV[ Sgi f`VcHtYHUF` n`
/opt/homebrew/Cellar/pkg-config/0.29.2_3: 11 files, 676.9KB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`[ XVa `
=>> Dci f]b[ [ XVa !%`%`%$`Ufa * ( SV[ Sgi f`VcHtYHUF` n`
/opt/homebrew/Cellar/gdbm/1.18.1_1: 25 files, 876.2KB
=>> -bgH`b[ `Ja U Ya U [W`XYdYbXYbWm`cdYbgg4 %`%
=>> Dci f]b[ `cdYbgg4 %`%`%`%`%`Ufa * ( SV[ Sgi f`VcHtYHUF` n`
=>> 7 Uj YUrg`
```

A CA file has been bootstrapped using certificates from the system keychain. To add additional certificates, place .pem files in /opt/homebrew/etc/openssl@1.1/certs

```
and run
/opt/homebrew/opt/openssl@1.1/bin/c_rehash
```

openssl@1.1 is keg-only, which means it was not symlinked into /opt/homebrew, because macOS provides LibreSSL.

```
If you need to have openssl@1.1 first in your PATH, run:
echo 'export PATH="/opt/homebrew/opt/openssl@1.1/bin:$PATH"' >> ~/.zshrc
```

```
For compilers to find openssl@1.1 you may need to set:
export LDFLAGS="-L/opt/homebrew/opt/openssl@1.1/lib"
export CPPFLAGS="-I/opt/homebrew/opt/openssl@1.1/include"
```



```

==> -bgHf`b[ `ja Uf Ya Uf jW`XYdYbXYbWm`l &` )`
==> Dci f]b[ `l &` )!` `S&Ufa *( SV][ Sgi f`VcHiYHf`n`
/opt/homebrew/Cellar/x265/3.4_2: 11 files, 6.6MB
==> -bgHf`b[ `ja Uf Ya Uf jW`XYdYbXYbWm`jV`YZ
==> Dci f]b[ `jV`YZ%`%`$Ufa *( SV][ Sgi f`VcHiYHf`n`
==> #dHf ca YVfYk #dHf) UfYXla ja Y]bZ:#/b# dXUHf!a ja Y!XUHfUgY#dHf ca YVfYk #j) UfY#
/opt/homebrew/Cellar/libheif/1.11.0: 25 files, 2.9MB
==> -bgHf`b[ `ja Uf Ya Uf jW`XYdYbXYbWm`jV`ef`
==> Dci f]b[ `jV`ef!$`(`&S&Ufa *( SV][ Sgi f`VcHiY%`Hf`n`
/opt/homebrew/Cellar/liblqr/0.4.2_1: 25 files, 192.4KB
==> -bgHf`b[ `ja Uf Ya Uf jW`XYdYbXYbWm`jV`ca`d`
==> Dci f]b[ `jV`ca`d!%`$`%`Ufa *( SV][ Sgi f`VcHiYHf`n`
/opt/homebrew/Cellar/libomp/11.0.1: 9 files, 1.3MB
==> -bgHf`b[ `ja Uf Ya Uf jW`XYdYbXYbWm`jV`tcc`
==> Dci f]b[ `jV`tcc`!&`(`S&Ufa *( SV][ Sgi f`VcHiYHf`n`
==> 7 Uj YUfg`

```

In order to prevent conflicts with Apple's own libtool we have prepended a "g" so, you have instead: glibtool and glibtoolize.

```

==> Gi a a Ufm
/opt/homebrew/Cellar/libtool/2.4.6_2: 71 files, 3.7MB
==> -bgHf`b[ `ja Uf Ya Uf jW`XYdYbXYbWm`jHiYIVa`g&`
==> Dci f]b[ `jHiYIVa`g&!&`%`&`Ufa *( SV][ Sgi f`VcHiYHf`n`
/opt/homebrew/Cellar/little-cms2/2.12: 21 files, 1.4MB
==> -bgHf`b[ `ja Uf Ya Uf jW`XYdYbXYbWm`ja`VUgY`
==> Dci f]b[ `ja`VUgY!&` )` `Ufa *( SV][ Sgi f`VcHiYHf`n`
/opt/homebrew/Cellar/ilmbase/2.5.5: 87 files, 1.9MB
==> -bgHf`b[ `ja Uf Ya Uf jW`XYdYbXYbWm`cdYbYl`f`
==> Dci f]b[ `cdYbYl`f!&` )` `Ufa *( SV][ Sgi f`VcHiYHf`n`
/opt/homebrew/Cellar/openexr/2.5.5: 152 files, 7MB
==> -bgHf`b[ `ja Uf Ya Uf jW`XYdYbXYbWm`cdYb`dYl`
==> Dci f]b[ `cdYb`dYl`!&`(`$`Ufa *( SV][ Sgi f`VcHiYHf`n`
/opt/homebrew/Cellar/openjpeg/2.4.0: 522 files, 13.3MB
==> -bgHf`b[ `ja Uf Ya Uf jW`XYdYbXYbWm`k`YVd`
==> Dci f]b[ `k`YVd!%`&`$`Ufa *( SV][ Sgi f`VcHiYHf`n`
/opt/homebrew/Cellar/webp/1.2.0: 39 files, 2.2MB
==> -bgHf`b[ `ja Uf Ya Uf jW`
==> Dci f]b[ `ja Uf Ya Uf jW`!+`$`%`4`$`Ufa *( SV][ Sgi f`VcHiYHf`n`
/opt/homebrew/Cellar/imagemagick/7.0.11-0: 797 files, 31.9MB
==> 7 Uj YUfg`
==> `jVZj`

```

libffi is keg-only, which means it was not symlinked into /opt/homebrew, because macOS already provides this software and installing another version in parallel can cause all kinds of trouble.

For compilers to find libffi you may need to set:

```

export LDFLAGS="-L/opt/homebrew/opt/libffi/lib"
export CPPFLAGS="-I/opt/homebrew/opt/libffi/include"

```

For pkg-config to find libffi you may need to set:

```

export PKG_CONFIG_PATH="/opt/homebrew/opt/libffi/lib/pkgconfig"

```

```

==> cdYbgg`4`%`%`

```

A CA file has been bootstrapped using certificates from the system keychain. To add additional certificates, place .pem files in /opt/homebrew/etc/openssl@1.1/certs

and run

```

/opt/homebrew/opt/openssl@1.1/bin/c_rehash

```

openssl@1.1 is keg-only, which means it was not symlinked into /opt/homebrew, because macOS provides LibreSSL.

If you need to have openssl@1.1 first in your PATH, run:

```

echo "export PATH="/opt/homebrew/opt/openssl@1.1/bin:$PATH"" >> ~/.zshrc

```

For compilers to find openssl@1.1 you may need to set:

```

export LDFLAGS="-L/opt/homebrew/opt/openssl@1.1/lib"
export CPPFLAGS="-I/opt/homebrew/opt/openssl@1.1/include"

```

For pkg-config to find openssl@1.1 you may need to set:

```

export PKG_CONFIG_PATH="/opt/homebrew/opt/openssl@1.1/lib/pkgconfig"

```

```

==> fYUX`jBY`

```

readline is keg-only, which means it was not symlinked into /opt/homebrew, because macOS provides BSD libedit.

For compilers to find readline you may need to set:

```

export LDFLAGS="-L/opt/homebrew/opt/readline/lib"
export CPPFLAGS="-I/opt/homebrew/opt/readline/include"

```

For pkg-config to find readline you may need to set:

```
export PKG_CONFIG_PATH="/opt/homebrew/opt/readline/lib/pkgconfig"
```

```
==> ge`jH`
```

sqlite is keg-only, which means it was not symlinked into /opt/homebrew, because macOS already provides this software and installing another version in parallel can cause all kinds of trouble.

If you need to have sqlite first in your PATH, run:

```
echo 'export PATH="/opt/homebrew/opt/sqlite/bin:$PATH"' >> ~/.zshrc
```

For compilers to find sqlite you may need to set:

```
export LDFLAGS="-L/opt/homebrew/opt/sqlite/lib"
export CPPFLAGS="-I/opt/homebrew/opt/sqlite/include"
```

For pkg-config to find sqlite you may need to set:

```
export PKG_CONFIG_PATH="/opt/homebrew/opt/sqlite/lib/pkgconfig"
```

```
==> HWh`
```

tcl-tk is keg-only, which means it was not symlinked into /opt/homebrew, because macOS already provides this software and installing another version in parallel can cause all kinds of trouble.

If you need to have tcl-tk first in your PATH, run:

```
echo 'export PATH="/opt/homebrew/opt/tcl-tk/bin:$PATH"' >> ~/.zshrc
```

For compilers to find tcl-tk you may need to set:

```
export LDFLAGS="-L/opt/homebrew/opt/tcl-tk/lib"
export CPPFLAGS="-I/opt/homebrew/opt/tcl-tk/include"
```

For pkg-config to find tcl-tk you may need to set:

```
export PKG_CONFIG_PATH="/opt/homebrew/opt/tcl-tk/lib/pkgconfig"
```

```
==> dnH cb4 ' `.
```

Python has been installed as
/opt/homebrew/bin/python3

Unversioned symlinks `python`, `python-config`, `pip` etc. pointing to `python3`, `python3-config`, `pip3` etc., respectively, have been installed into /opt/homebrew/opt/python@3.9/libexec/bin

You can install Python packages with

```
pip3 install <package>
```

They will install into the site-package directory

```
/opt/homebrew/lib/python3.9/site-packages
```

See: <https://docs.brew.sh/Homebrew-and-Python>

```
==> XcVWcc`
```

To use the DocBook package in your XML toolchain, you need to add the following to your ~/.bashrc:

```
export XML_CATALOG_FILES="/opt/homebrew/etc/xml/catalog"
```

```
==> [ bi ![ Ytc dH
```

gnu-getopt is keg-only, which means it was not symlinked into /opt/homebrew, because macOS already provides this software and installing another version in parallel can cause all kinds of trouble.

If you need to have gnu-getopt first in your PATH, run:

```
echo 'export PATH="/opt/homebrew/opt/gnu-getopt/bin:$PATH"' >> ~/.zshrc
```

```
==> ]Vtc`
```

In order to prevent conflicts with Apple's own libtool we have prepended a "g" so, you have instead: glibtool and glibtoolize.

と、10分以上かかって終わった。

```
/opt/homebrew/Cellar
```

の下にimagemagickができていた。

convert コマンドは使えた。

brew info imagemagick で色々情報は取れる。

4. ターミナルの権限強化

フォルダーの中身を見ようとしても

operation not permitted と出ることがある。

