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# Minimalist Notes

*Release 0.1*

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# CHAPTER 1

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## brew

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| command | purpose | |————|————| | brew update | updates brew itself | | brew outdated | find outdated packages | |  
brew prune | remove unneeded | | brew doctor | check stuff | | brew upgrade | upgrade one or all packages | | brew list |  
list installed packages |



## CHAPTER 2

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git

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### 2.1 git rebase





### 3.1 Development

- `./configure --with-pydebug && make -j`
- `./python.exe -m test -j3`

#### 3.1.1 Compile

- `Misc/SpecialBuilds.txt` compilation flags
- `Py_DEBUG` use for “pydebug” build to catch common issues

#### Clang

Handy CFLAGS

- `-Wno-unused-value`
- `-Wno-empty-body`
- `-Qunused-arguments`
- `-Wno-parentheses-equality` if using clang with ccache
- `-no-integrated-as` if using LLVM 2.8 which is needed to build `ctype` module

#### 3.1.2 Dependencies

`xcode-select --install`

```
brew install openssl xz
./configure --with-pydebug --with-openssl=$(brew --prefix openssl)
make -s -j2
```

### 3.1.3 make

The CPython Makefile is generated when you run `./configure`.

`Makefile.pre` is used to generate a Makefile specific to your compile system

### 3.1.4 [Generic C] Handy compile options

- `-g` debug
- `-Wall` warnings all
- `-O3` or `-O1` optimization levels

## CHAPTER 4

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### Indices and tables

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- `genindex`
- `modindex`
- `search`