




1.  `virginia@virginia-MacBookPro16-2:~$ gcc -v`


```
Using built-in specs.
COLLECT_GCC=gcc
COLLECT_LTO_WRAPPER=/usr/lib/gcc/x86_64-linux-gnu/11/lto-wrapper
OFFLOAD_TARGET_NAMES=nvptx-none:amdgc-nvptx-none:amdgc-nvptx-none
OFFLOAD_TARGET_DEFAULT=1
Target: x86_64-linux-gnu
Configured with: ../src/configure -v --with-pkgversion='Ubuntu 11.2.0-19ubuntu1'
--with-bugurl=file:///usr/share/doc/gcc-11/README.Bugs --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --prefix=/usr --with-gcc-major-version-only --program-suffix=-11 --program-prefix=x86_64-linux-gnu- --enable-shared --enable-linker-build-id --libexecdir=/usr/lib --without-included-gettext --enable-threads=posix --libdir=/usr/lib --enable-nls --enable-bootstrap --enable-clocale=gnu --enable-libstdc++-debug --enable-libstdc++-time=yes --with-default-libstdc++-abi=new --enable-gnu-unique-object --disable-vtable-verify --enable-plugin --enable-default-pie --with-system-zlib --enable-libphobos-checking=release --with-target-system-zlib=auto --enable-objc-gc=auto --enable-multiarch --disable-werror --enable-cet --with-arch-32=i686 --with-abi=m64 --with-multilib-list=m32,m64,mx32 --enable-multilib --with-tune=generic --enable-offload-targets=nvptx-none=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-nvptx/usr,amdgc-nvptx-none=/build/gcc-11-gBFGDP/gcc-11-11.2.0/debian/tmp-gcn/usr --without-cuda-driver --enable-checking=release --build=x86_64-linux-gnu --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-build-config=bootstrap-lto-lean --enable-link-serialization=2
Thread model: posix
Supported LTO compression algorithms: zlib zstd
gcc version 11.2.0 (Ubuntu 11.2.0-19ubuntu1)
virginia@virginia-MacBookPro16-2:~$
```

2.  `virginia@virginia-MacBookPro16-2:~$ ghci`

```
GHCi, version 8.8.4: https://www.haskell.org/ghc/  :? for help
Prelude> 42
42
Prelude> :quit
Leaving GHCi.
wApplications virginia@virginia-MacBookPro16-2:~$
```

3.  `virginia@virginia-MacBookPro16-2:~$ node -v`

```
v12.22.9
virginia@virginia-MacBookPro16-2:~$
```

4.  `virginia@virginia-MacBookPro16-2:~$ python3 --version`

```
Python 3.10.4
virginia@virginia-MacBookPro16-2:~$
```

5.

```
virginia@virginia-MacBookPro16-2: ~  
virginia@virginia-MacBookPro16-2:~$ pwd  
/home/virginia  
virginia@virginia-MacBookPro16-2:~$ mkdir test_directory  
virginia@virginia-MacBookPro16-2:~$ ls  
Desktop  Downloads  Pictures  snap      test_directory  
Documents Music      Public   Templates Videos  
virginia@virginia-MacBookPro16-2:~$ cd test_directory  
virginia@virginia-MacBookPro16-2:~/test_directory$ pwd  
/home/virginia/test_directory  
virginia@virginia-MacBookPro16-2:~/test_directory$ touch testfile  
virginia@virginia-MacBookPro16-2:~/test_directory$ ls  
testfile  
virginia@virginia-MacBookPro16-2:~/test_directory$ ls -lt  
total 0  
-rw-rw-r-- 1 virginia virginia 0 Aug 30 00:58 testfile  
virginia@virginia-MacBookPro16-2:~/test_directory$ cp testfile testfile2  
virginia@virginia-MacBookPro16-2:~/test_directory$ mv testfile2 ../  
virginia@virginia-MacBookPro16-2:~/test_directory$ rm testfile  
virginia@virginia-MacBookPro16-2:~/test_directory$ cd  
virginia@virginia-MacBookPro16-2:~$ rm -r tes_directory  
rm: cannot remove 'tes_directory': No such file or directory  
virginia@virginia-MacBookPro16-2:~$ rm -r test_directory  
virginia@virginia-MacBookPro16-2:~$
```