

Currently, I have instructions to run nlop on Linux and Mac only. For Windows, please install Ubuntu via virtual machine. See “Lec 0: Installation” at [tiny.cc/mujoco](https://tiny.cc/mujoco) on how to do this.

## Instructions for Mac/Linux

1) Download the latest version, <https://nlopt.readthedocs.io/en/latest/#download-and-installation>

2) Unzip in a suitable location. Say Documents.

3) In terminal navigate to the folder and type

```
mkdir build
cd build
cmake ..
make
sudo make install
```

Also see: [https://nlopt.readthedocs.io/en/latest/NLopt\\_Installation/](https://nlopt.readthedocs.io/en/latest/NLopt_Installation/)

4) Navigate to this folder or the folder with tutorial.c.

```
gcc tutorial.c -o tutorial -w -lnlopt -lm  
./tutorial
```

If nlopt was successful you will see the output

```
found minimum at f(0.333333,0.296296) =  
0.5443310474
```

You are all set

5) The file constrained.c shows a more generic example. We will reuse this code when we develop code in MuJoCo

```
gcc constrained.c -o constrained -w -lnlopt  
-lm  
./constrained
```

If this runs fine you would see the output  
found minimum at  
 $f(1.77378, 1.77354, 1.45269, -0.110295, 4.95945e-05) = 8.414180297$