# Using MRPT on Ubuntu

1. Install MRPT by instructions given at <http://www.mrpt.org/MRPT_in_GNU/Linux_repositories> then follow the next steps.
2. Invoke the following command:

$ sudo apt-get install build-essential pkg-config cmake \

 libwxgtk2.8-dev libftdi-dev freeglut3-dev \

 zlib1g-dev libusb-1.0-0-dev \

 libdc1394-22-dev libavformat-dev libswscale-dev

1. For modern versions of Ubuntu also invoke:

$ sudo apt-get install libgtest-dev libeigen3-dev

1. Create an empty directory to store cmake files in and invoke (created directory is the new directory you created

$ cmake <created directory>

1. To compile your code create a source file and a cmake file like the example on this page: <http://www.mrpt.org/Writing_applications_with_the_MRPT_C%20%20_Library>. Make sure all the appropriate links are in the CMakeLists.txt file.
2. Invoke in the project folder the following command:

ccmake .

press c to configure then g to generate the proper files and exit.

1. In the directory that you invoked cmake also invoke

make

This should create an executable file in your code

1. Run the compiled file