Arduino CLI:

# Installation :

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| --- | --- | --- |
| Platform | 32 bit | 64 bit |
| macOS |  | [Mac OSX](https://downloads.arduino.cc/arduino-cli/arduino-cli_latest_macOS_64bit.tar.gz) |
| Linux | [Linux 32 bit](https://downloads.arduino.cc/arduino-cli/arduino-cli_latest_Linux_32bit.tar.gz) | [Linux 64 bit](https://downloads.arduino.cc/arduino-cli/arduino-cli_latest_Linux_64bit.tar.gz) |
| Windows | [Windows 32 bit](https://downloads.arduino.cc/arduino-cli/arduino-cli_latest_Windows_32bit.zip) | [Windows 64 bit](https://downloads.arduino.cc/arduino-cli/arduino-cli_latest_Windows_64bit.zip) |

Extract this file under a specific location,

In windows extract the file by going into the directory,

And extract it using

**$ start filename.exe**

The filename is the arduino-cli exe file.

Now running the command test arduino-cli,

**$ arduino-cli help core**

Thus will show you the commands related to arduino-cli for the core.

Now copy the e-Yantra folder from this [link](https://drive.google.com/open?id=1bKhigrruck6pl0mA11rRQiQc2liFzoFC), and then paste this file into this directory **Arduino15/packages/.**

Now you have to create a configuration file by running this command,

**$ arduino-cli config init**

Now we have to create a new sketch, by running,

**$ arduino-cli sketch new MyFirstSketch**

This will show you the directory where the sketch is been saved please note down the directory,

Now we can paste any our own sketches there.

To compile we have to run the compile command using the proper FQBN(Fully Qualified board name),

For atmega2560

**$ arduino-cli compile --fqbn e-Yantra:eyfi-avr:eyfi-mega MyFirstSketch**

And for esp32,

**$ arduino-cli compile --fqbn e-Yantra:eyfi-esp32:eyfi-esp MyFirstSketch**

Now for uploading the sketch, we have to run also using the port name.

For port name we have to run command,

**$ arduino-cli board list**

By running this command you will find a port column which you to copy that in the /port section,

For atmega2560,

**$ arduino-cli upload -p /port --fqbn e-Yantra:eyfi-avr:eyfi-mega MyFirstSketch**

For esp32,

**$ arduino-cli upload -p /port --fqbn e-Yantra:eyfi-esp32:eyfi-esp MyFirstSketch**