# Installing Node.js Serial library in raspberry pi

Serial Communication using Node.js library is little bit challenging in Raspberry pi. So the last version of Serialport library of node is 6.0.4 which properly works with only Node v6.x

Steps of installing Node.js V6.x in raspberry is given below

Install Node 6.x

curl -sL https://deb.nodesource.com/setup\_6.x | sudo -E bash -

sudo apt-get install -y nodejs

sudo apt-get install -y build-essential

Install node-gyp and node-pre-gyp globally

sudo npm install -g node-gyp

sudo npm install -g node-pre-gyp

Install Serialport

Then we will open a folder when our node application will recide

Then we start a new node project.

Command: npm init

Then we install serial library here

Command: sudo npm install serialport --unsafe-perm

Then we install Arduino ide. From Arduino ide we will collect the serial port number of connected device.