<http://www.toptechboy.com/using-python-with-arduino-lessons>

<http://www.toptechboy.com/arduino/lesson-1-using-python-with-arduino> tutorial for Arduino and Python, he is using python 2.7.7

Try the example on the tutorial in the lesson 2

For learn some of the commands on Vpython I should search about:

**Simple 3D programming using VPython**

<https://github.com/Sthing/Nick-Gammon-RS485> , rs485, Arduino, python

<https://github.com/bashwork/pymodbus/tree/master/doc> , rs485, Arduino, python in pdf

<https://www.youtube.com/watch?v=UHW0HY-p15I> video about rs485, Arduino, python

<http://www.instructables.com/howto/Python+RS485+Arduino/> a lot of projects about Arduino and python: it is use full in the future so I should come back to them and study it again.

<https://minimalmodbus.readthedocs.io/en/master/usage.html#typical-hardware> a code for python and Arduino \*\*\*

[https://minimalmodbus.readthedocs.io/en/master/apiminimalmodbus.html#apiminimalmodbus](https://minimalmodbus.readthedocs.io/en/master/apiminimalmodbus.html" \l "apiminimalmodbus) this is an explanation about the library minimalmodbus

<https://pypi.python.org/pypi/pymodbus3/1.0.0> this is an explanation about the library bymodbus

<http://www.modbus.org/docs/Modbus_over_serial_line_V1_02.pdf> this is an explanation about Modbus

<https://www.cooking-hacks.com/documentation/tutorials/modbus-module-shield-tutorial-for-arduino-raspberry-pi-intel-galileo> Modbus tutorial for Arduino

<http://pythonhosted.org/pyserial/shortintro.html#opening-serial-ports> short introduction about PYserial

# <http://www.xanthium.in/cross-platform-rs485-programming-using-python-usb-to-rs485-converter-and-pc> RS485 Programming using Python and USB to RS485 Converter

# <https://github.com/bashwork/pymodbus/blob/master/doc/pymodbus.pdf> PyModbu documentation

<http://stackoverflow.com/questions/26946337/reading-serial-data-from-arduino-project-pyserial> [Reading serial data from Arduino project (pySerial)](http://stackoverflow.com/questions/26946337/reading-serial-data-from-arduino-project-pyserial), and there is a code for reading temperature from dht11 and Arduino on python but it us without Modbus rs485.

Read holding register Modbus python. It is good to search in google about it ,I found a lot of cods for my circuit.

Now I have to search about PyMode compiler

[http://pymodbus.readthedocs.org/en/latest/examples/index.html](http://www.google.com/url?q=http%3A%2F%2Fpymodbus.readthedocs.org%2Fen%2Flatest%2Fexamples%2Findex.html&sa=D&sntz=1&usg=AFQjCNHRo07CEW_mZZda10FVPZFmhkW3vg) a tutorial for PyModbus

\*\*\*cods for read holding register

1. <http://stackoverflow.com/questions/34198896/python-pymodbus-read-holding-registers>
2. raspberrypi.stackexchange.com/questions/22712/pymodbus-rtu-rs-485-communication
3. <http://stackoverflow.com/questions/31912493/how-to-write-to-plc-input-registers-using-pymodbus>
4. <https://www.google.se/search?q=install+PyMode+compiler++++&ie=utf-8&oe=utf-8&client=firefox-b&gfe_rd=cr&ei=XHhJWI-VHYqA8Qf8nKaYCw>

Read holding register minimalmodbus in python <https://pypi.python.org/pypi/MinimalModbus/0.6>