Software and tools needed for this exercise.

Installation steps

SUMMARY

In the following slides we will briefly describe the software and tools you will need to install and how to configure them for this part of the exercise.

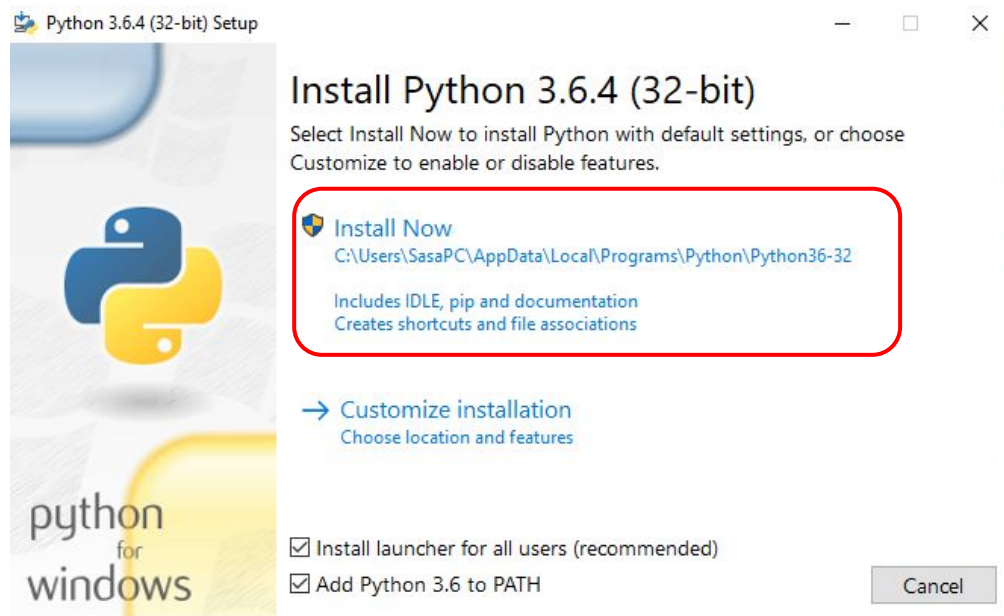**WHICH VERSION?**

TODO --

Our process is easy

Python → **Bottle** → **MySQL**

1.

Python Installation

You can use windows or linux machines

Installation instructions

▷ For windows systems just visit https://www.python.org/downloads/ and select **version 3.6** .

▷ On the first screen, enable the "**Add Python 3.6 to PATH**" option and then click "Install Now."
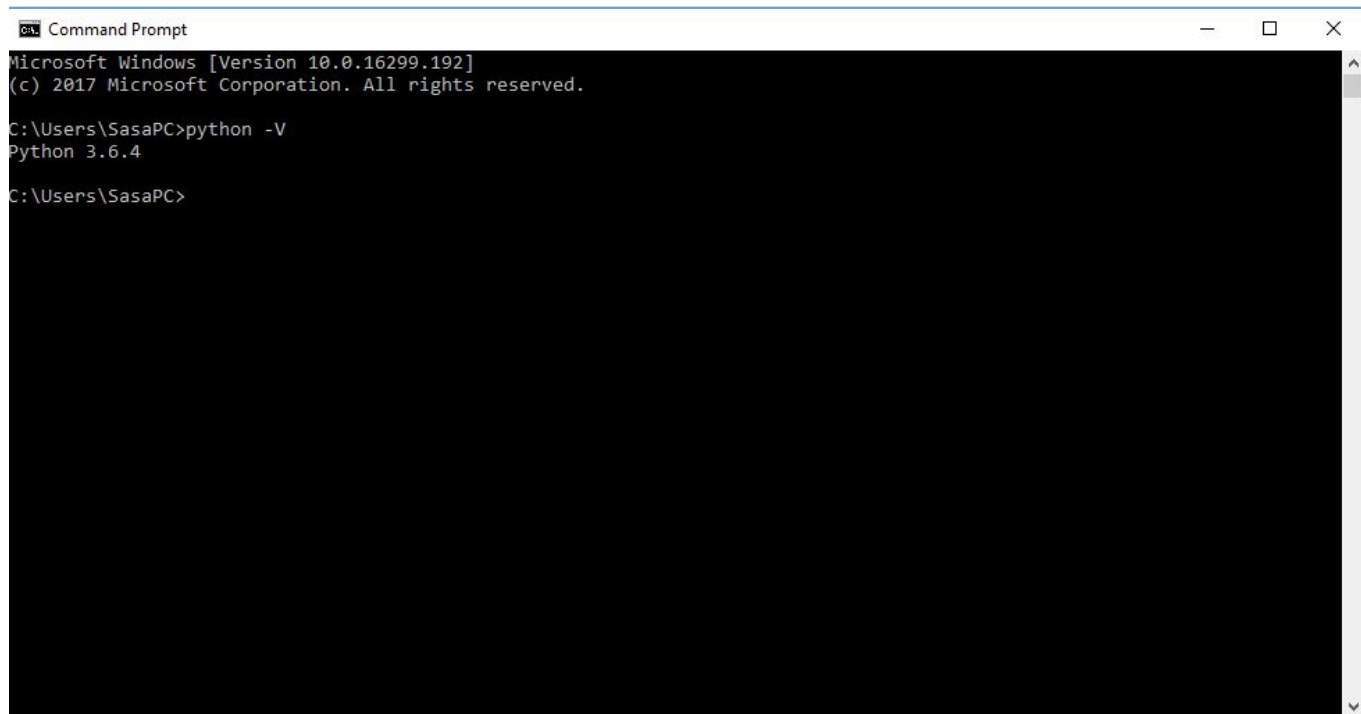
Installation instructions

- Clicking the "Disable path length limit" option removes the limitation on the MAX_PATH variable. This change won't break anything, but will allow Python to use long path names.

Installation instructions

- We open a command prompt window and check our installation.

Installation instructions for Linux

▷ Linux machines have python 2.7 pre-installed.

▷ To install python 3 for ex. In Ubuntu 16.0 or newer, use the following commands

```
$ sudo apt-get update
$ sudo apt-get install python3.6
```

▷ At this point, you may have system Python 2.7 available as well. This will launch the Python 2 interpreter.

```
$ python
```

▷ This will launch the Python 3 interpreter.

```
$ python3
```

Setuptools & Pip (windows)

▷ One of the most crucial third-party Python packages is pip.

▷ Once installed, you can download, install and uninstall any compliant Python software product with a single command.

▷ Python 2.7.9 and later (on the python2 series), and Python 3.4 and later include pip by default.

▷ If we want to install a module and its dependencies from the Python Packaging Index we write a command like the following (replace SomePackage with the appropriate package name):

```
DEMO COMMAND: python -m pip install SomePackage
```

Setuptools & Pip (linux)

▷ To see if pip is installed on a linux machine, open a command prompt and run

```
$ command -v pip
```

▷ To install pip, follow the official pip installation guide - this will automatically install the latest version of setuptools.

▷ Note that on some Linux distributions including Ubuntu and Fedora the pip command is meant for Python 2, while the pip3 command is meant for Python 3.

```
$ command -v pip3
```

▷ Remember that you might need to run pip with sudo like this

```
$ sudo pip install SomePackage
```

2.

Web framework Installation

We will use Bottle web framework as an example.

Bootle installation

▷ Bottle has no other dependencies other than Python itself.

▷ On windows you can **use pip to install bottle**.

```
C:\Users\SasaPC>python -m pip install bottle
Collecting bottle
  Downloading bottle-0.12.13.tar.gz (70kB)
    100% |                              | 71kB  410kB/s
Installing collected packages: bottle
  Running setup.py install for bottle ... done
Successfully installed bottle-0.12.13
```

▷ Or **download bottle.py into your project directory.**
▷ In the same way you can use pip on Linux to install Bottle...

3.

PyMySQL for Python Installation

PyMySQL is an interface for connecting to a MySQL database server from Python.

How do I Install PyMySQL?

▷　For windows as simple as:

```
python -m pip install pymysql
```

▷　Or in linux :

```
$ sudo pip install pymysql
```

Thanks!
Any questions?

Let's review some concepts

Yellow
Is the color of gold, butter and ripe lemons. In the spectrum of visible light, yellow is found between green and orange.

Blue
Is the colour of the clear sky and the deep sea. It is located between violet and green on the optical spectrum.

Red
Is the color of blood, and because of this it has historically been associated with sacrifice, danger and courage.

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