Step-by-Step Installation - library qi

- <u>For Linux OS:</u>

1) It's necessary to check if your machine has all the requirements stated in https://pypi.org/project/qi/:

☐ a compiler that supports C++17.
   ☐ on Ubuntu: apt-get install build-essential.

☐ CMake with at least version 3.23.
   ☐ on PyPI (recommended): pip install "cmake>=3.23".
   ☐ on Ubuntu: apt-get install cmake.

☐ Python with at least version 3.7 and its development libraries.
   ☐ On Ubuntu: apt-get install libpython3-dev.

☐ a Python virtualenv.
   ☐ On Ubuntu:

```
apt-get install python3-venv
python3 -m venv ~/my-venv # Use the path of your convenience.
source ~/my-venv/bin/activate
```

2) After activating the virtual environment, write in the terminal:

pip install qi

3) Check the success of installation using the command in the terminal:

pip list

4) Try to import the library with some example codes in http://doc.aldebaran.com/2-5/dev/libqi/api/python/application.html.

- <u>For Windows OS:</u>

1) The process installation for Windows OS in the documentation https://pypi.org/project/qi/ website it's more complex and not always working. Therefore, an easier way to install the library qi is by using a Windows Subsystem for Linux (WSL) as an extension in your IDE.

2) Choose your preferred IDE for programming in Python.

3) Go to Extensions.

4) Search for WSL.

5) Install the WSL extension.

6) Connect to the WSL environment.

7) Create a folder for your project.

8) Open the terminal in your project folder.

9) In the terminal, repeat the process for the Linux OS.