Link: <https://stackoverflow.com/questions/31684375/automatically-create-requirements-txt>

QUESTION:

Sometimes I download the python source code from github and don't know how to install all the dependencies. If there is no requirements.txt file I have to create it by hands. The question is: Given the python source code directory is it possible to create requirements.txt automatically from the import section?

Answer:

You can do it by running pip freeze > requirements.txt will save all your python libraries with current version into requirements.txt

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For **Python 3** use below

pip3 freeze > requirements.txt

I execute pip3 freeze > requirements.txt and I'm surprised to not find some packages I am actually using such as argparse and configparser. Is it because they are part of Python core? I believe a better answer is to use pipreqs below because it will only list the requirements your project is using. – [Alexis.Rolland](https://stackoverflow.com/users/6283849/alexis-rolland" \o "3,951 reputation) [Nov 3 '17 at 17:15](https://stackoverflow.com/questions/31684375/automatically-create-requirements-txt#comment81152358_33468993)

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@damnever Ok thank you! pip3 freeze gives me the list of all the Python packages installed in my environment whereas pipreqs gives me all the ones actually used in my source code which is what I was looking for. Beside that, nothing's wrong with it. – [Alexis.Rolland](https://stackoverflow.com/users/6283849/alexis-rolland" \o "3,951 reputation) [Nov 4 '17 at 4:22](https://stackoverflow.com/questions/31684375/automatically-create-requirements-txt#comment81165029_33468993)

You can use the following code to generate a requirements.txt file:

pip install pipreqs

pipreqs /path/to/project

pip3 freeze >> yourfile.txt

Before executing the above command make sure you have created a virtual environment.

**python3:**

pip3 install virtualenv

python3 -m venv <myenvname>