

BUILD YOUR FIRST PYPI PACKAGE

1. Make sure you have Python and pip installed on your system. To check the installations:

```
1 python -V # for python version (2/3)
```

```
2 python -m pip --version
```

2. Create your python package.
3. Create LICENCE.txt file | To see MIT License open url - <https://opensource.org/licenses/MIT>
4. Create setup.py file

```
import setuptools

setuptools.setup(
    name='<package_name>',
    version='0.1',
    author="<author's name>",
    author_email="<author's email>",
    description="<Basic desc>",
    packages=setuptools.find_packages(),
    classifiers=[
        "Programming Language :: Python :: 3",
        "License :: OSI Approved :: MIT License",
        "Operating System :: OS Independent",
    ],
)
```

5. Test the package
6. Install the required packages:
 - **Setuptools:** [Setuptools](#) is a package development process library designed for creating and distributing Python packages.
 - **Wheel:** The [Wheel](#) package provides a `bdist_wheel` command for `setuptools`. It creates .whl file which is directly installable through the `pip install` command. We'll then upload the same file to pypi.org.

- **Twine:** The [Twine](#) package provides a secure, authenticated, and verified connection between your system and [PyPi](#) over [HTTPS](#).
- **Tqdm:** This is a smart progress meter used internally by Twine.

```
1  
install setuptools wheel
```

```
2  
  
pip install tqdm
```

```
3  
  
pip install twine
```

7. Run the command to create whl file

```
python setup.py bdist_wheel
```

8. Register Yourself

The Python community maintains a repository similar to [npm](#) for open source packages. If you want to make your package publicly accessible you can upload it on PyPi. So, first of all, register yourself on PyPi: <https://pypi.org/account/register/>.

9. Run the command to upload package

```
twine upload --repository-url https://upload.pypi.org/legacy/ dist/*
```

10. Test the package

```
Pip install <packagename>
```