

1. Creating and activating a new virtual environment

```
CLI
$ python3 -m venv project_env
$ source project_env/bin/activate
```

We can create virtual environment with system-packages(global installation of Python packages).

```
CLI
$ python3 -m venv project_env --system-site-package
```

2. Check installed packages on virtual environment

```
CLI
$ pip install pytz
$ pip list
```

| Package | Version |
|---------|----------|
| certifi | 2019.3.9 |
| pytz | 2018.9 |

We can get information of installed packages in txt format from pip freeze command.

```
CLI
$ pip freeze > requirements.txt
```

```
certifi==2019.3.9
pytz==2018.9
```

We can install all the same packages stored in requirements.txt

```
CLI
$ pip install -r requirements.txt
```

3. Deactivating and Delete a virtual environment

```
CLI
$ deactivate

$ rm -rf project_env/
```