



Creating Python Virtual Environment in Windows and Linux

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A Virtual Environment is a Python environment, that is an isolated working copy of Python that allows you to work on a specific project without affecting other projects. So basically it is a tool that enables multiple side-by-side installations of [Python](#), one for each project.

Creating a Python virtual environment in Linux

If pip is not in your system

```
$ sudo apt-get install python-pip
```

Then install virtualenv

```
$ pip install virtualenv
```

Now check your installation

```
$ virtualenv --version
```

Create a virtual environment now,

```
$ virtualenv virtualenv_name
```

After this command, a folder named

virtualenv_name

will be created. You can name anything to it. If you want to create a

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Got It !

```
$ virtualenv -p /usr/bin/python3 virtualenv_name
```

or

```
$ virtualenv -p /usr/bin/python2.7 virtualenv_name
```

Now at last we just need to activate it, using command

```
$ source virtualenv_name/bin/activate
```

Now you are in a Python virtual environment You can deactivate using

```
$ deactivate
```

Creating Python virtualenv in Windows

If python is installed in your system, then pip comes in handy. So simple steps are: 1) Install virtualenv using

```
> pip install virtualenv
```

2) Now in which ever directory you are, this line below will create a virtualenv there

```
> python -m venv myenv
```

And here also you can name it anything. 3) Now if you are same directory then type,

```
> myenv\Scripts\activate
```

You can explicitly specify your path too. Similarly like Linux you can

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```
$ deactivate
```

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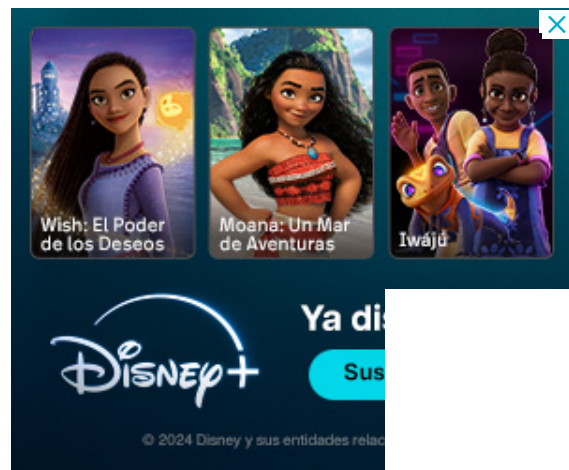
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