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How to Install Flask in Windows?

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Flask is basically a Python module. It can work with **Python** only and it is a web-developing framework. It is a collection of libraries and modules. [Frameworks](#) are used for developing web platforms. Flask is such a type of **web application** framework. It is completely written in Python language. Unlike [Django](#), it is only written in [Python](#). As a new user, [Flask](#) is to be used. As it is easier to handle. As it is only written in Python, before installing Flask on the machine, Python should be installed previously.

Features of Python Flask:

- Flask is easy to use and easily understandable for new users in Web Framework.
- It can also be used as any third-party plugin extension.
- It is also used for prototyping purposes.

Install Virtual Environment

We use a module named virtualenv which is a tool to create isolated Python environments. [virtualenv](#) creates a folder that contains all the necessary executables to use the packages that a Python project would need.

```
pip install virtualenv
```

Create Python virtual environment

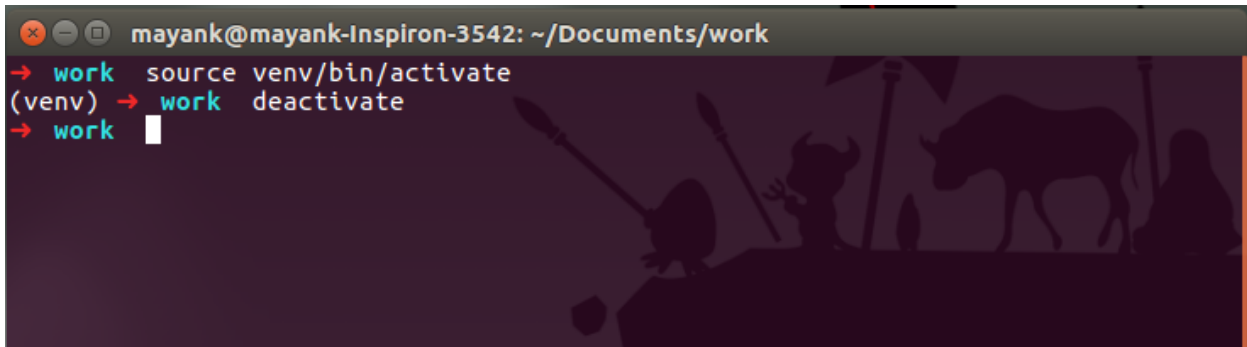
Go to the local directory where you want to create your Flask app.

```
virtualenv venv
```

Activate a virtual environment based on your OS

For windows > venv\Scripts\activate

For linux > `source ./venv/bin/activate`

A terminal window with a dark background and a decorative illustration of a bull and a person. The terminal shows the following commands and their outputs:

```
mayank@mayank-Inspiron-3542: ~/Documents/work
→ work source venv/bin/activate
(venv) → work deactivate
→ work
```

Install Flask on Windows or Linux

Step 1: Make sure that [Python PIP](#) should be installed on your OS. You can check using the below command.

```
pip -V
or
pip --version
```

Step 2: At first, open the command prompt in administrator mode. Then the following command should be run. This command will help to install Flask using Pip in Python and will take very less time to install. According to the machine configuration, a proper Flask version should be installed. Wait for some time till the process is completed. After completion of the process, Flask is completed successfully, the message will be displayed. Hence Installation is successful.

```
pip install flask
```

```
Administrator Command Prompt
C:\WINDOWS\system32>pip install flask
Collecting flask
  Using cached Flask-1.1.2-py2.py3-none-any.whl (94 kB)
Requirement already satisfied: click>=5.1 in c:\program files (x86)\python38-32\lib\site-packages (from flask) (7.1.1)
Requirement already satisfied: itsdangerous>=0.24 in c:\program files (x86)\python38-32\lib\site-packages (from flask) (1.1.0)
Requirement already satisfied: Jinja2>=2.10.1 in c:\program files (x86)\python38-32\lib\site-packages (from flask) (2.11.2)
Requirement already satisfied: Werkzeug>=0.15 in c:\program files (x86)\python38-32\lib\site-packages (from flask) (1.0.1)
Requirement already satisfied: MarkupSafe>=0.23 in c:\program files (x86)\python38-32\lib\site-packages (from Jinja2>=2.10.1->flask) (1.1.1)
Installing collected packages: flask
Successfully installed flask-1.1.2
```

Step 3: After that, also the following two commands should be run. These commands will start Flask in the command prompt. Hence, the process is completed successfully.

```
python
import flask
```

```
Administrator Command Prompt - python
C:\WINDOWS\system32>python
Python 3.8.2 (tags/v3.8.2:7b3ab59) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import flask
>>>
```

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