

Python Setup Guide



```

"""
1.Install python latest version.

ubuntu
-> sudo apt install python3 -y && sudo apt install python3-pip -y && sudo apt install python3-venv
-y

windows
1. Download Python Installer
    Go to the official Python Downloads page.Click on the Download Python button. This will
download the latest version of Python for Windows.
2. Run the Installer
    Once the installer is downloaded, run the installer.

    Important: Check the box that says "Add Python to PATH" before clicking "Install Now." This will
make Python and pip accessible from the command prompt.
    Click Install Now and the installation will proceed.

3. Verify Python Installation

After the installation is complete, you can verify Python and pip installation:
1.Open Command Prompt (press Win + R, type cmd, and press Enter).
2.Type the following command to check Python version:
-> python --version
Or, if you have multiple versions installed, you might need to use:
-> python3 --version

2.Open command prompt used cd command to change the project directory
-> cd {projct_directory}

3 Create virtual environment

-> python3 -m venv myenv

Ubuntu:type the below command to activate virtual environment
-> source myenv/bin/activate

Windows:type the below command to activate virtual environment
-> myenv\Scripts\activate

4.Install required libraries for executing python application.
-> pip install -r requirments.txt

```

5.Run the application by using below command.
-> python app.py """ ---> document the contenet



Sure! Here's a neatly organized document based on your content:

Python Installation and Setup Guide

1. Install the Latest Version of Python

For Ubuntu:

```
bash

sudo apt install python3 -y && sudo apt install python3-pip -y && sudo apt install python3-v
env -y
```

For Windows:

1. Download the Python Installer:

- Visit the [official Python Downloads page](#).
- Click on the **Download Python** button to download the latest version of Python for Windows.

2. Run the Installer:

- Once the installer is downloaded, run it.
- **Important:** Check the box that says "Add Python to PATH" before clicking **Install Now**. This ensures Python and `pip` are accessible from the Command Prompt.
- Click **Install Now** and the installation will proceed.

3. Verify Python Installation:

After installation is complete, verify the installation:

- Open Command Prompt (press `Win + R`, type `cmd`, and press Enter).
- Type the following command to check the Python version:

```
bash

python --version
```

Or, if you have multiple versions installed, you might need to use:

```
bash

python3 --version
```

2. Change Project Directory Using Command Prompt

- Use the `cd` command to navigate to your project directory:

```
bash

cd {project_directory}
```

3. Create a Virtual Environment

- Create a virtual environment with the following command:

```
bash

python3 -m venv myenv
```

4. Activate the Virtual Environment

For Ubuntu:

```
bash

source myenv/bin/activate
```

For Windows:

```
bash

myenv\Scripts\activate
```

5. Install Required Libraries

- Install the necessary libraries for your Python application by using:

```
bash

pip install -r requirements.txt
```

6. Run the Python Application

- Once the environment is set up and dependencies are installed, run your Python application with:

```
bash
```

```
python app.py
```

This guide should help you quickly set up a Python development environment on both Ubuntu and Windows.