

# How to Install the python-docx Library

This guide explains how to install the **python-docx** library, which is required for the **DOCX Typeface Changer (docx\_typeface\_changer.py)** script to work.

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## What is a Python Library?

In Python, a **library** is a collection of pre-written code that provides ready-to-use functions and tools. Think of it like a toolbox. Instead of building every tool from scratch, a programmer can use a library to perform common tasks without having to write the code themselves.

## What is the python-docx Library?

The **python-docx** library is a specific "toolbox" designed to help Python programs understand, create, and modify Microsoft Word (.docx) files. Just as a mechanic needs a specific wrench to work on a certain part of an engine, our script needs this library to open your Word documents and change the font.

Without this library, the script wouldn't know how to interact with your files, which is why installing it is a required first step.

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## Prerequisite: Python Installation

**Python** must be installed on your system before you can install this library. See the documentation on **How to Install Python on Windows & macOS**.

### How to Check if Python is Installed

- **On Windows:**
  1. Open the **Start Menu**, type cmd, and open **Command Prompt**.
  2. Type "**python --version**" (no quotations) and press **Enter**.
  3. If you see a version number (e.g., Python 3.12.4), Python is installed.
- **On macOS:**
  1. Open the **Terminal** app (from Applications/Utilities or Spotlight).
  2. Type "**python3 --version**" (no quotations) and press **Enter**.
  3. If you see a version number (e.g., Python 3.12.4), Python is installed.

If you get an error message or nothing happens, Python is likely not installed. Please

follow the instructions in the **How to Install Python on Windows & macOS** guide first.

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## Python Installation Steps for Windows & macOS

### For Windows (10 and 11)

1. Open the **Start Menu**.
2. Type cmd and select the **Command Prompt** application.
3. In the black window that appears, type the following command and press Enter:

```
pip install python-docx
```

### For macOS

1. Open the **Terminal** app.
2. In the Terminal window, type the following command and press Enter:

```
pip3 install python-docx
```

After running the command, the library will be automatically downloaded and installed. Once it's finished, you can close the Command Prompt or Terminal window. You are now ready to run the script.