## Do Python libraries automatically get updated?

No, libraries in Python don't update automatically by default.

## How to update a library in Python?

To update a Python library, you can use the pip command, which is the package installer for Python.

Here's how you can update a library using pip:

### 1. Open a Terminal or Command Prompt:

- On Windows, you can use the Command Prompt or PowerShell.
- On Linux or macOS, you can use the Terminal.

### 2. Run the following command:

Bash

```
pip install --upgrade <library_name>
```

Replace <library_name> with the name of the library you want to update.

For example, if you want to update the TensorFlow library, you would run:

Bash

```
pip install --upgrade tensorflow
```

### 3. Specify Version (Optional):

If you want to update to a specific version, you can specify it in the command.

For example:

Bash

```
pip install --upgrade tensorflow==2.6.0
```

### 4. Check for updates:

You can also use the pip list command to see which packages are outdated.

Run:

Bash

```
pip list --outdated
```

This will display a list of installed packages that have newer versions available.

### 5. Upgrade All Packages (Optional):

To upgrade all installed packages to their latest versions, you can use:

Bash

```
pip freeze --local | grep -v '^\-e' | cut -d = -f 1  | xargs -n1 pip
install -U
```

Please be cautious when using this command, as it will upgrade all packages, and some updates might introduce breaking changes.

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