# 2_Libraries

January 14, 2025

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[ ]:    '''
        Libraries -->

        In Python, libraries are collections of pre-written code that provide␣
    ↪functions, classes, and modules
        for performing common tasks, so you don't have to write everything from␣
    ↪scratch. Libraries make it easier
        and faster to develop applications by providing reusable tools for various␣
    ↪tasks like data manipulation,
        numerical computing, machine learning, web development, etc
        '''
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[ ]:    '''
        Importing Libraries -->

        The import keyword allows you to import an entire library (module) into␣
    ↪your script.
        Once imported, you can use the module's functions, classes, and variables␣
    ↪by prefixing them with the module name.

        The from keyword allows you to import specific functions, classes, or␣
    ↪variables from a module.
        This can be useful if you only need part of a module, and you don't want to␣
    ↪import everything.

        You can give a module or a specific function an alias (a shorthand name)␣
    ↪using the as keyword.
        This is commonly done with larger libraries like pandas and numpy to make␣
    ↪them easier to use.
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[ ]: import pandas as pd
     import numpy as np
     import matplotlib.pyplot as plt
```

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[ ]: #   That's how you import libraries in your code !
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