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**Built-in packages and modules:** are pre-installed and available for import into scripts without needing to download them separately.

| <i>Category</i>           | <i>Module/Package</i> | <i>Description</i>   |
|---------------------------|-----------------------|--|
| <b>Mathematics</b>        | math                  | Standard mathematical functions and constants (e.g., math.pi, math.sqrt()).              |
|                           | random                | Generation of pseudo-random numbers (e.g., for simulations or games).                    |
| <b>System Interaction</b> | os                    | Interface for interacting with the operating system (e.g., file/directory manipulation). |
|                           | sys                   | Access to Python runtime environment and system-specific parameters and functions.       |
| <b>Date and Time</b>      | datetime              | Classes for manipulating dates and times.  |
| <b>Data Handling</b>      | json                  | Encoding and decoding JSON data.   |
|                           | collections           | Advanced container data types like deque and Counter.                                    |
|                           | re                    | Regular expression operations for pattern matching in strings.                           |
| <b>Networking</b>         | urllib                | Modules for working with URLs and fetching data from the internet.                       |
|                           | socket                | Low-level networking interface for network communication.                                |

Example how to use them:

```
[1]
✓ Os      import math
          import random
          import os

          print(math.pi)
          print(random.randint(1, 10))
          print(os.getcwd())

▼        3.141592653589793
          7
          /content
```