

assume you know what python string methods are most frequently asked in leetcode problem so provide highly asked methods to least asked methods, each method name purpose is described in single sentence. make sure you provide brief response provide list of methods beside that its purpose

Here's a concise list of **Python string methods**, ordered from **most frequently asked in LeetCode problems** to least, with a **one-line purpose** for each:

1. **len()** – Returns the length of the string.
2. **str.lower()** – Converts all characters to lowercase.
3. **str.upper()** – Converts all characters to uppercase.
4. **str.strip()** – Removes leading and trailing whitespace (or specified characters).
5. **str.split()** – Splits the string into a list based on a delimiter.
6. **str.join()** – Joins a list of strings into one string with a separator.
7. **str.replace()** – Replaces a substring with another substring.
8. **str.find()** – Returns the lowest index of a substring, or -1 if not found.
9. **str.index()** – Returns the lowest index of a substring, raises an error if not found.
10. **str.startswith()** – Checks if the string starts with a specific substring.
11. **str.endswith()** – Checks if the string ends with a specific substring.
12. **str.count()** – Counts the occurrences of a substring.
13. **str.isdigit()** – Checks if all characters are digits.

14. `str.isalpha()` – Checks if all characters are alphabetic.
15. `str.isalnum()` – Checks if all characters are alphanumeric.
16. `str.capitalize()` – Capitalizes the first character of the string.
17. `str.title()` – Capitalizes the first character of each word.
18. `str.swapcase()` – Swaps uppercase to lowercase and vice versa.
19. `str.rfind()` – Returns the highest index of a substring, or -1 if not found.
20. `str.zfill()` – Pads the string on the left with zeros to a specified width.

If you want, I can also **make an ultra-compact “cheat sheet” table** showing **method** → **use** → **example** for quick LeetCode reference. It's super handy for interviews.

Do you want me to do that?