🌟Python String Methods – Editable Study Notes

🦜`upper()`

Converts a string to **uppercase**.

```
str1 = "AbcDEfghIJ"
print(str1.upper())
```

Output: `ABCDEFGHIJ`

🌍`lower()`

Converts a string to **lowercase**.

```
str1 = "AbcDEfghIJ"
print(str1.lower())
```

Output: `abcdefghij`

🪵`strip()`

Removes any **leading and trailing** whitespaces.

```
str2 = " Silver Spoon "
print(str2.strip())
```

Output: `Silver Spoon`

🐕‍🦺`rstrip()`

Removes **trailing characters**.

```
str3 = "Hello !!!"
print(str3.rstrip("!"))
```

Output: `Hello`

🪻 `replace()`

Replaces parts of the string with something else.

```
str2 = "Silver Spoon"
print(str2.replace("Sp", "M"))
```

Output: `Silver Moon`

🦤 `split()`

Splits the string at a separator and returns a list.

```
str2 = "Silver Spoon"
print(str2.split(" "))
```

Output: `['Silver', 'Spoon']`

🪰 `capitalize()`

Capitalizes the first letter and lowers the rest.

```
str1 = "hello"
print(str1.capitalize())
```

Output: `Hello`

✨ `center(width, [char])`

Centers string in a field of specified width.

```
str1 = "Welcome to the Console!!!"
print(str1.center(50, "."))
```

Output: `............Welcome to the Console!!!.............`

`count(substring)`

Counts how many times a value appears.

```
str2 = "Abracadabra"
print(str2.count("a"))
```

Output: `4`

`endswith()`

Returns True if string ends with specified value.

```
str1 = "Welcome to the Console !!!"
print(str1.endswith("!!!"))
```

Output: `True`

`find()`

Finds first occurrence index, else returns -1.

```
str1 = "He's name is Dan. He is an honest man."
print(str1.find("is"))
```

Output: `10`

`index()`

Same as `find()` but throws error if not found.

```
str1 = "He's name is Dan. Dan is an honest man."
print(str1.index("Dan"))
```

Output: `13`

`isalnum()`

True if string has only letters and numbers.

```
str1 = "WelcomeToTheConsole"
print(str1.isalnum())
```

Output: `True`

`isalpha()`

True if only letters (no numbers).

```
str1 = "Welcome"
print(str1.isalpha())
```

Output: `True`

`islower()`

True if all lowercase.

```
str1 = "hello world"
print(str1.islower())
```

Output: `True`

`isprintable()`

True if all characters are printable.

```
str1 = "We wish you a Merry Christmas"
print(str1.isprintable())
```

Output: `True`

`isspace()`

True if string has only whitespaces.

```
str1 = "        "
print(str1.isspace())
```

Output: `True`

`istitle()`

True if each word starts with uppercase.

```
str1 = "World Health Organization"
print(str1.istitle())
```

Output: `True`

`isupper()`

True if all characters are uppercase.

```
str1 = "WORLD HEALTH ORGANIZATION"
print(str1.isupper())
```

Output: `True`

`startswith()`

True if string starts with specified value.

```
str1 = "Python is a Interpreted Language"
print(str1.startswith("Python"))
```

Output: `True`

`swapcase()`

Switches upper to lower and vice versa.

```
str1 = "Python is a Interpreted Language"
print(str1.swapcase())
```

Output: `pYTHON IS A iNTERPRETED lANGUAGE`

`title()`

Capitalizes each word in the string.

```
str1 = "He's name is Dan. Dan is an honest man."
print(str1.title())
```

Output: `He'S Name Is Dan. Dan Is An Honest Man.`