

# Python strings

[python](#)

## comp

- Exact match (equality comparison): ==, !=
- Partial match: in, not in
- Forward/backward match: startswith(), endswith()
- Order comparison: <, <=, >, >=
- Case-insensitive comparison: upper(), lower()
- Regex: re.search(), re.fullmatch()

/via: <https://note.nkmk.me/en/python-str-compare/>

## string formatting

- string formating <https://realpython.com/python-string-formatting/>
  - «string%s»%(param1)
  - «string {} {}».format(1param,2param)
  - «string {1}{2}{1}».format(1param,2param)
  - interpolación (f-string): f«string {name} {a + b}»
  - Template strings

## f-strings (Literal String Interpolation)

- To create an f-string, prefix the string with the letter “ f ”. The string itself can be formatted in much the same way that you would with str.format(). F-strings provide a concise and convenient way to embed python expressions inside string literals for formatting.
- F-strings are faster than the two most commonly used string formatting mechanisms, which are % formatting and str.format().

```
val = 'Geeks'
print(f"{val}for{val} is a portal for {val}.")
```

```
import datetime

today = datetime.datetime.today()
print(f"{today:%B %d, %Y}")
```

Backslash Cannot be used in format string directly.

[error](#)

```
f"newline: {ord('\n')}"
```

[correcto](#)

```
newline = ord('\n')
```

```
print(f"newline: {newline}")
```

/+info: <https://www.python.org/dev/peps/pep-0498/> /via:  
<https://www.geeksforgeeks.org/formatted-string-literals-f-strings-python/>

## string fill

- ljust(), rjust(), center()
- %15s, %15-s
- {:15}, {:>15}

/via:<https://www.delftstack.com/es/howto/python/python-pad-string-with-spaces/>

- zfill()

## zero fill

- n=42
- print(f'{n:05d}')
- print('%05d' % n)
- print('{0:05d}'.format(n))
- 00042

/via: <https://www.python-engineer.com/posts/pad-zeros-string/>

## concatenate

- s1+s2
- «%s %s»%(s1,s2)
- «-».join([s1,s2])
- «{}{}».format(s1,s2)

/via: [https://www.tutorialspoint.com/how\\_to\\_concatenate\\_two\\_strings\\_in\\_python](https://www.tutorialspoint.com/how_to_concatenate_two_strings_in_python)

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