# 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 formatinghttps://realpython.com/python-string-formatting/
  - `«string%s»%(param1)`
  - `«string {} {}».format(1parm,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

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