

**Return type***Panel*

## 23.18 rich.pretty

```
class rich.pretty.Node(key_repr="", value_repr="", open_brace="", close_brace="", empty="", last=False,
                       is_tuple=False, is_namedtuple=False, children=None, key_separator=': ',
                       separator=', ')
```

A node in a repr tree. May be atomic or a container.

**Parameters**

- **key\_repr** (*str*)
- **value\_repr** (*str*)
- **open\_brace** (*str*)
- **close\_brace** (*str*)
- **empty** (*str*)
- **last** (*bool*)
- **is\_tuple** (*bool*)
- **is\_namedtuple** (*bool*)
- **children** (*List[Node]* | *None*)
- **key\_separator** (*str*)
- **separator** (*str*)

```
check_length(start_length, max_length)
```

Check the length fits within a limit.

**Parameters**

- **start\_length** (*int*) – Starting length of the line (indent, prefix, suffix).
- **max\_length** (*int*) – Maximum length.

**Returns**

True if the node can be rendered within max length, otherwise False.

**Return type***bool*

```
iter_tokens()
```

Generate tokens for this node.

**Return type***Iterable[str]*

```
render(max_width=80, indent_size=4, expand_all=False)
```

Render the node to a pretty repr.

**Parameters**

- **max\_width** (*int*, *optional*) – Maximum width of the repr. Defaults to 80.
- **indent\_size** (*int*, *optional*) – Size of indents. Defaults to 4.
- **expand\_all** (*bool*, *optional*) – Expand all levels. Defaults to False.