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## st.text\_area



Streamlit Version  ▼

Display a multi-line text input widget.

### Function signature[\[source\]](#)

**st.text\_area(label, value="", height=None, max\_chars=None, key=None, help=None, on\_change=None, args=None, kwargs=None, \*, placeholder=None, disabled=False, label\_visibility="visible")**

### Parameters

A short label explaining to the user what this input is for. The label can optionally contain GitHub-flavored Markdown of the following types: Bold, Italics, Strikethroughs, Inline Code, Links, and Images. Images display like icons, with a max height equal to the font height.

Unsupported Markdown elements are unwrapped so only their children (text contents) render. Display unsupported elements as literal characters by backslash-escaping them. E.g., "1\ . Not an ordered list".

See the body parameter of [st.markdown](#) for additional, supported Markdown directives.

For accessibility reasons, you should never set an empty label, but you can hide it with `label_visibility` if needed. In the future, we may disallow empty labels by raising an exception.

**value (object or None)** The text value of this widget when it first renders. This will be cast to str internally. If None, will initialize empty and return None until the user provides input. Defaults to empty string.

### Returns

**(str or None)** The current value of the text area widget or None if no value has been provided by the user.

```
st.text_area(label, value="", height=None, max_chars=None, key=None, help=None, on_change=None, args=None,
               kwargs=None, *, placeholder=None, disabled=False, label_visibility="visible")
```

height (int or None)	Desired height of the UI element expressed in pixels. If this is <code>None</code> (default), the widget's initial height fits three lines. The height must be at least 68 pixels, which fits two lines.
max_chars (int or None)	Maximum number of characters allowed in text area.
key (str or int)	An optional string or integer to use as the unique key for the widget. If this is omitted, a key will be generated for the widget based on its content. No two widgets may have the same key.
help (str)	An optional tooltip that gets displayed next to the widget label. Streamlit only displays the tooltip when <code>label_visibility="visible"</code> .
on_change (callable)	An optional callback invoked when this <code>text_area</code> 's value changes.
args (tuple)	An optional tuple of args to pass to the callback.
kwargs (dict)	An optional dict of kwargs to pass to the callback.
placeholder (str or None)	An optional string displayed when the text area is empty. If <code>None</code> , no text is displayed.
disabled (bool)	An optional boolean that disables the text area if set to <code>True</code> . The default is <code>False</code> .
label_visibility ("visible", "hidden", or "collapsed")	The visibility of the label. The default is <code>"visible"</code> . If this is <code>"hidden"</code> , Streamlit displays an empty spacer instead of the label, which can help keep the widget aligned with other widgets. If this is <code>"collapsed"</code> , Streamlit displays no label or spacer.

## Returns

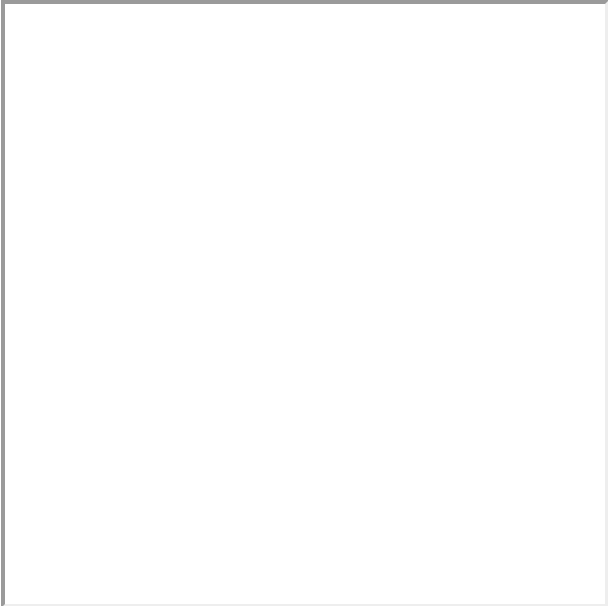
(str or None) The current value of the text area widget or `None` if no value has been provided by the user.


## Example

```
import streamlit as st

txt = st.text_area(
    "Text to analyze",
    "It was the best of times, it was the worst of times, it was the age of "
    "wisdom, it was the age of foolishness, it was the epoch of belief, it "
    "was the epoch of incredulity, it was the season of Light, it was the "
    "season of Darkness, it was the spring of hope, it was the winter of "
    "despair, (...)",
)
```

```
st.write(f"You wrote {len(txt)} characters.")
```



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