P **Python**
T U T O R I A L

Tkinter askyesno

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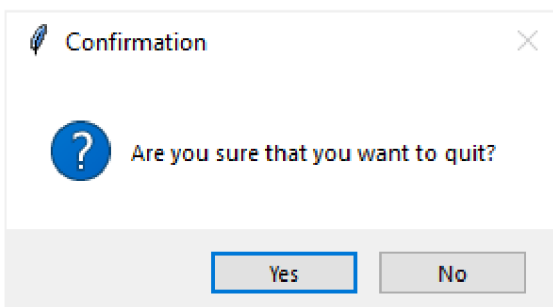(https://www.pythontutorial.net/donation/)

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Summary: in this tutorial, you'll learn how to use the Tkinter `askyesno()` function to show a dialog that asks for user confirmation.

Introduction to the Tkinter askyesno() function

Sometimes, you need to ask for user confirmation. For example, if users click the quit button, you want to ask whether they really want to close the application. Or they just accidentally do so:

To show a dialog that asks for user confirmation, you use the `askyesno()` function.

The dialog will have a title, a message, and two buttons (yes and no).

When you click the `yes` button, the function returns `True`. However, if you click the `no` button, it returns `False`.

The following shows the syntax of the `askyesno()` function:

```
answer = askyesno(title, message, **options)
```
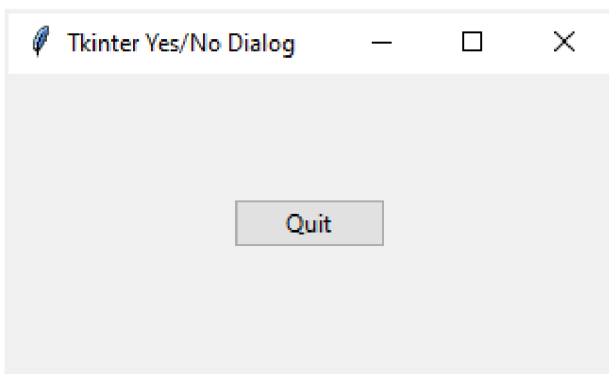
Note that the `answer` is a Boolean value, either `True` or `False`.

Tkinter also has another function called `askquestion()`, which is similar to the `askyesno()` function except that it returns a string with a value of `'yes'` or `'no'`:
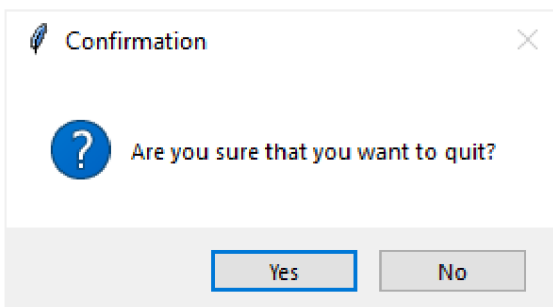
```
answer = askquestion(title, message, **options)
```

Tkinter askyesno() function example

The following program illustrates how to use the Tkinter `askyesno()` function:

When you click the `Quit` button, it'll show a confirmation dialog:

If you click the `yes` button, the application will be closed. Otherwise, it'll stay.

```python
import tkinter as tk
from tkinter import ttk
from tkinter.messagebox import askyesno
```

```python
# create the root window
root = tk.Tk()
root.title('Tkinter Yes/No Dialog')
root.geometry('300x150')


# click event handler
def confirm():
    answer = askyesno(title='confirmation',
                      message='Are you sure that you want to quit?')
    if answer:
        root.destroy()


ttk.Button(
    root,
    text='Ask Yes/No',
    command=confirm).pack(expand=True)


# start the app
root.mainloop()
```

The following is the same program but use the object-oriented programming approach:

```python
import tkinter as tk
from tkinter import ttk
from tkinter.messagebox import askyesno, askquestion


class App(tk.Tk):
    def __init__(self):
        super().__init__()

        self.title('Tkinter Yes/No Dialog')
        self.geometry('300x150')
```

```python
        # Quit button
        quit_button = ttk.Button(self, text='Quit', command=self.confirm)
        quit_button.pack(expand=True)


    def confirm(self):
        answer = askyesno(title='Confirmation',
                          message='Are you sure that you want to quit?')
        if answer:
            self.destroy()



if __name__ == "__main__":
    app = App()
    app.mainloop()
```

Summary

- Use the Tkinter `askyesno()` function to show a dialog that asks for user confirmation.

- The `askyesno()` function returns `True` if you click the yes button, otherwise, it returns `False`.

- The `askquestion()` function returns a string with a value of `'yes'` or `'no'` instead.