

# Tkinter tkinter module

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**tkFileDialog** is a module with open and save dialog functions. Instead of implementing those in [Tkinter GUI](#) on your own.

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## Overview

An overview of file dialogs:

## Tkinter Open File

The **askopenfilename** function to creates an file dialog object. The extensions are shown in the bottom of the form (Files of type). The code below will simply show the dialog and return the filename. If a user presses cancel the filename is empty. On a Windows machine change the initialdir to "C:\".

### Python 2.7 version:

| Function           | Parameters                   | Purpose  |
|--------------------|------------------------------|--|
| .askopenfilename   | Directory, Title, Extension  | To <b>open</b> file: Dialog that requests selection of an existing file.     |
| .asksaveasfilename | Directory, Title, Extension) | To <b>save</b> file: Dialog that requests creation or replacement of a file. |
| .askdirectory      | None                         | To <b>open directory</b>   |

```
from Tkinter import *from Tkinter import *
import Tkinter, Tkconstants, tkFileDialog
```

```
root = Tk()
root.filename = tkFileDialog.askopenfilename(initialdir = "/",title = "Select file",filetypes = (("jpeg files","*.jpg"),("all files","*.*")))
print (root.filename)
```

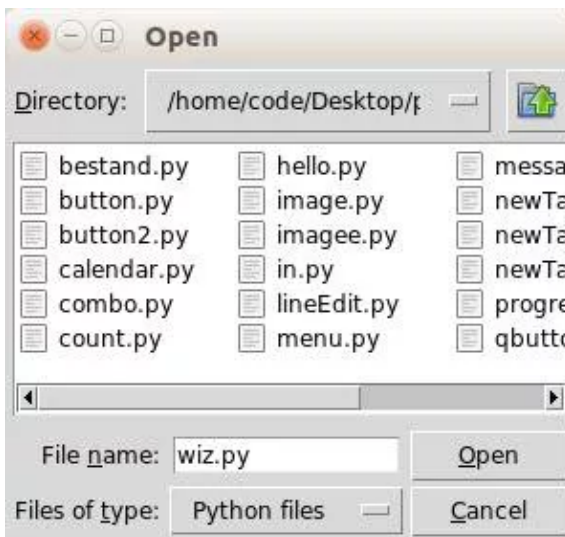
### Python 3 version:

```
from tkinter import filedialog
from tkinter import *

root = Tk()
root.filename = filedialog.askopenfilename(initialdir = "/",title = "Select file",filetypes =
print (root.filename)
```

Here is an example (on Linux):

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tkFileDialog Tkinter askopenfilename

## Tkinter Save File

The **asksaveasfilename** function prompts the user with a save file dialog.

### Python 2.7 version

```
from Tkinter import *
import Tkinter, Tkconstants, tkFileDialog

root = Tk()
root.filename = tkFileDialog.asksaveasfilename(initialdir = "/",title = "Select file",filetypes
print (root.filename)
```

### Python 3 version

```
from tkinter import filedialog
from tkinter import *

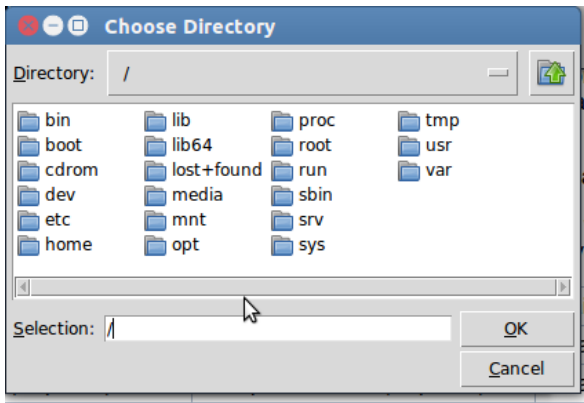
root = Tk()
root.filename = filedialog.asksaveasfilename(initialdir = "/",title = "Select file",filetypes
print (root.filename)
```

## Tkinter Open Directory

The **askdirectory** presents the user with a popup for directory selection.

### Python 2.7 version

```
from Tkinter import *
import Tkinter, Tkconstants, tkFileDialog
root = Tk()
root.directory = tkFileDialog.askdirectory()
print (root.directory)
```



tkinter askdirectory

If you are new to programming Tkinter, [I highly recommend this course.](#)

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