

## Tkinter GUI code generator

It is written in Python and you will get pure Python tkinter code.

It uses tkinter Grid geometry manager. (<https://effbot.org/tkinterbook/grid.htm>)

### 1. Select the desired widgets\*

Tkinter code generator v0.7

Window title:

|     | c0               | c1      | c2      | c3      | c4      |
|-----|------------------|---------|---------|---------|---------|
| r0  | 01: Menu         | 00: --- | 00: --- | 00: --- | 00: --- |
| r1  | 00: ---          | 00: --- | 00: --- | 00: --- | 00: --- |
| r2  | 01: Menu         | 00: --- | 00: --- | 00: --- | 00: --- |
| r3  | 02: Button       | 00: --- | 00: --- | 00: --- | 00: --- |
| r4  | 03: Canvas       | 00: --- | 00: --- | 00: --- | 00: --- |
| r5  | 04: Text         | 00: --- | 00: --- | 00: --- | 00: --- |
| r6  | 05: Entry        | 00: --- | 00: --- | 00: --- | 00: --- |
| r7  | 06: Label        | 00: --- | 00: --- | 00: --- | 00: --- |
| r8  | 07: Label (s)    | 00: --- | 00: --- | 00: --- | 00: --- |
| r9  | 08: Combobox     | 00: --- | 00: --- | 00: --- | 00: --- |
| r10 | 09: ComboBox (s) | 00: --- | 00: --- | 00: --- | 00: --- |

Check  
Start  
Finalize

Tkinter GUI code generator  
It uses tkinter Grid geometry manager. (<https://effbot.org/tkinterbook/grid.htm>)  
You will get pure Python tkinter code.

1. Select the desired widgets\*
2. If you use rowspan/colspan press "Check" button
3. Press "Start" to generate codes
4. Set the opened options windows and Apply
5. Press "Finalize" and copy the generated code with Ctrl+C

Hint:

- rowspan must be placed under the expanded widget
- colspan must be placed to right side of the widget
- maximum 4 column and 4 rowspan cells can be selected for one widget (rowspan/colspan=5)
- if you use col.span and/or rowspan press "Check" button to check your selection. (all misplaced span selection will be reseted and common merged cells disabled)
- Canvas does not accept col./rowspan

Reset

Gmiki (2020) enromirok@gmail.com

### 2. If you use rowspan/colspan press "Check" button

Tkinter code generator v0.7

Window title:

|     | c0                 | c1            | c2      | c3       | c4      |
|-----|--------------------|---------------|---------|----------|---------|
| r0  | 01: Menu           | 16: colspan < | 00: --- | 01: Menu | 00: --- |
| r1  | 04: Text           | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r2  | 12: Radio          | 16: colspan < | 00: --- | 00: ---  | 00: --- |
| r3  | 17: rowspan ^      | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r4  | 17: rowspan ^      | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r5  | 08: Combobox       | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r6  | 09: ComboBox (s)   | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r7  | 10: OptionMenu     | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r8  | 11: OptionMenu (s) | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r9  | 12: Radio          | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r10 | 13: Radio (s)      | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r11 | 14: Message        | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r12 | 15: Frame          | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r13 | 16: colspan <      | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r14 | 17: rowspan ^      | 00: ---       | 00: --- | 00: ---  | 00: --- |

Check  
Start  
Finalize

Tkinter GUI code generator  
It uses tkinter Grid geometry manager. (<https://effbot.org/tkinterbook/grid.htm>)  
You will get pure Python tkinter code.

1. Select the desired widgets\*

v0.8.7

|    | c0            | c1            | c2      | c3       | c4      |
|----|---------------|---------------|---------|----------|---------|
| r0 | 01: Menu      | 16: colspan < | 00: --- | 01: Menu | 00: --- |
| r1 | 04: Text      | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r2 | 12: Radio     | 16: colspan < | 00: --- | 00: ---  | 00: --- |
| r3 | 17: rowspan ^ | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r4 | 17: rowspan ^ | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r5 | 00: ---       | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r6 | 00: ---       | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r7 | 00: ---       | 00: ---       | 00: --- | 00: ---  | 00: --- |
| r8 | 00: ---       | 00: ---       | 00: --- | 00: ---  | 00: --- |

- All common merged cells will be disabled (for example c1-r3, c1-r4 on screenshot)
- Rowspan must be placed under the expanded widget
- Columnspan must be placed to right side of the widget
- Maximum 4 column and 4 rowspan cells can be selected for one widget (rowspan/colspan=5)
- If you use colspan and/or rowspan press "Check" button to check your selection.
- All misplaced span selection will be reseted
- Canvas and Menubar does not accept col./rowspan

### 3. Press "Start" to generate codes

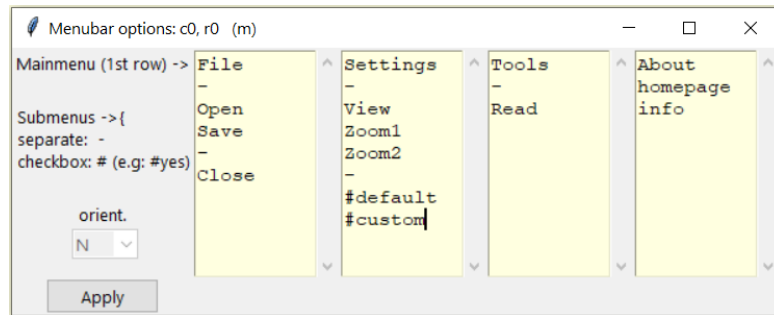
Related option widows open

Radio options: c0, r2

Text options: c0, r1

Menu options: c3, r0

## Menubar

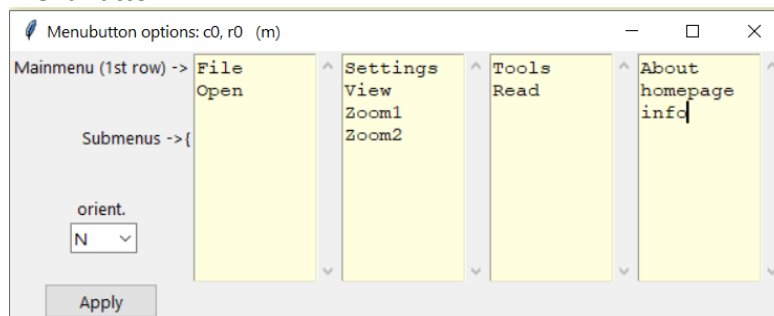


You can put 4 main menu (top blue line) and any submenu

First row: main menu (x4), other rows: submenu (any)

Available settings: separate: '-' ; checkbox: '#' (eg: #yes)

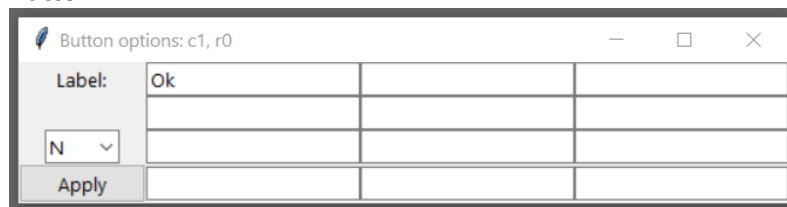
## MenuButton



You can put 4 main menu (top row) and any submenu

Available settings: orientation.

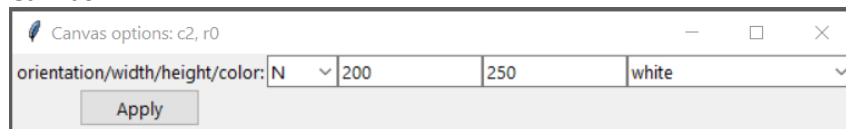
## Button



You can put 3x4 button in a frame. (min 1 button max 12button)

Available settings: orientation. N- North, E-East, S-South, W-West, NE,SE,SW,NW, N+S (expand between max N and max S), E+W (expand between max W and max E)

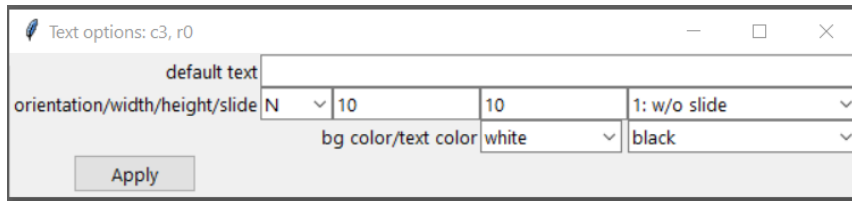
## Canvas



Available settings: orientation, width, height and color

You can select some color, select 'pick a color' to open color selector or write any standard python color code here.

## Text



Text options: c3, r0

default text:

orientation/width/height/slide: N  10  1: w/o slide

bg color/text color: white  black

Apply

Available settings: default text, orientation, width, height, slide (without, with horizontal, with vertical or both slide) and background and text color

You can select some color, select 'pick a color' to open color selector or write any standard python color code here.

## Label



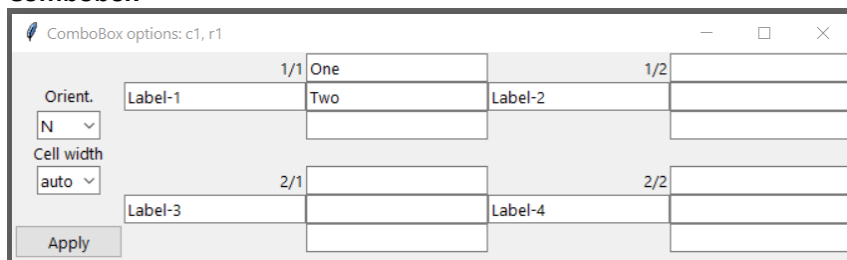
Label options: c0, r1

Text:  Orientation: N

Apply

Available settings: default text and orientation

## Combobox



ComboBox options: c1, r1

Orient. N

Cell width auto

| 1/1     |     | 1/2     |  |
|---------|-----|---------|--|
| Label-1 | Two | Label-2 |  |
| 2/1     |     | 2/2     |  |
| Label-3 |     | Label-4 |  |

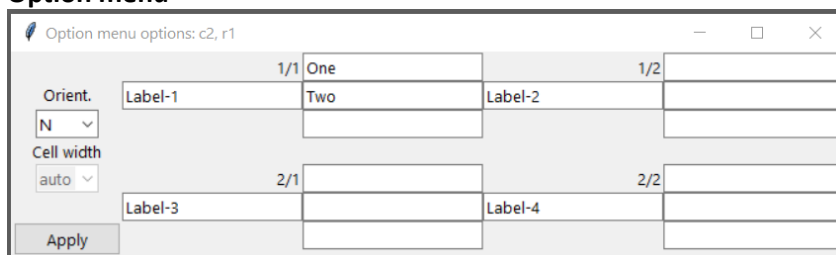
Apply

You can place up to 4 comboboxes with 3 options

Available settings:

Orientation, Cell width, Label (for each combobox), 3 options (for each combobox)

## Option menu



Option menu options: c2, r1

Orient. N

Cell width auto

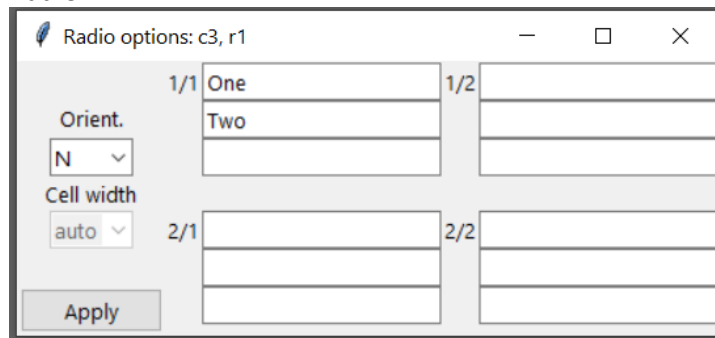
| 1/1     |     | 1/2     |  |
|---------|-----|---------|--|
| Label-1 | Two | Label-2 |  |
| 2/1     |     | 2/2     |  |
| Label-3 |     | Label-4 |  |

Apply

You can place up to 4 option menus with 3 options

Available settings:

Orientation, Label (for each combobox), 3 options (for each combobox)

**Radio**


Radio options: c3, r1

Orient. N

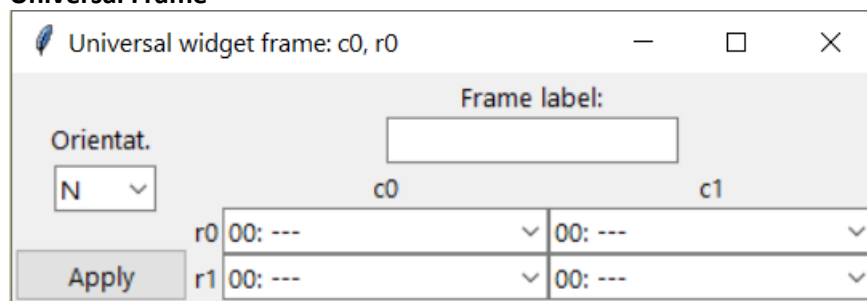
Cell width auto

Apply

|     |     |     |  |
|-----|-----|-----|--|
| 1/1 | One | 1/2 |  |
|     | Two |     |  |
|     |     |     |  |
| 2/1 |     | 2/2 |  |
|     |     |     |  |
|     |     |     |  |

You can place up to 4 radio with 3 options

Available settings: Orientation, 3 options (for each combobox)

**Universal Frame**


Universal widget frame: c0, r0

Frame label:

Orientat. N

Apply

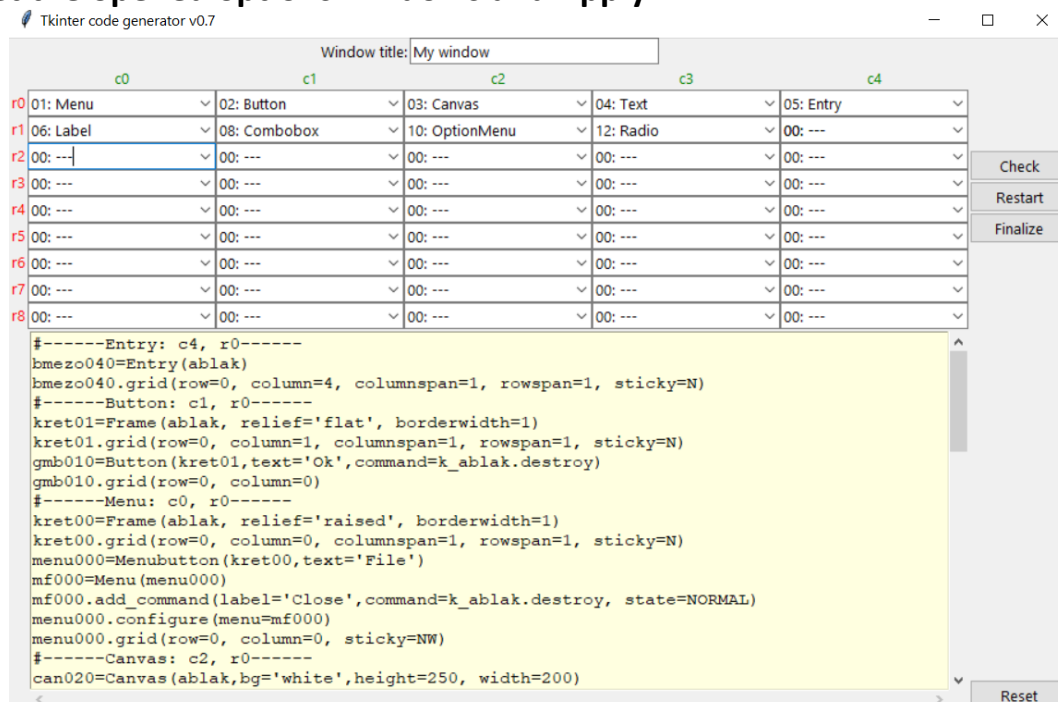
|    |         |         |
|----|---------|---------|
|    | c0      | c1      |
| r0 | 00: --- | 00: --- |
| r1 | 00: --- | 00: --- |

You can place any widget\* (up to 4)

\*menu (3x3), button (4x3), canvas, text with scroll, entry, label, combobox (4x3), optionmenu (4x3),radio (4x3)

Available settings:

Orientation, 4 widget selection, label text (with text: LabelFrame / without: Frame)

**4. Set the opened options windows and Apply**


Tkinter code generator v0.7

Window title: My window

|    | c0        | c1           | c2             | c3        | c4        |
|----|-----------|--------------|----------------|-----------|-----------|
| r0 | 01: Menu  | 02: Button   | 03: Canvas     | 04: Text  | 05: Entry |
| r1 | 06: Label | 08: Combobox | 10: OptionMenu | 12: Radio | 00: ---   |
| r2 | 00: ---   | 00: ---      | 00: ---        | 00: ---   | 00: ---   |
| r3 | 00: ---   | 00: ---      | 00: ---        | 00: ---   | 00: ---   |
| r4 | 00: ---   | 00: ---      | 00: ---        | 00: ---   | 00: ---   |
| r5 | 00: ---   | 00: ---      | 00: ---        | 00: ---   | 00: ---   |
| r6 | 00: ---   | 00: ---      | 00: ---        | 00: ---   | 00: ---   |
| r7 | 00: ---   | 00: ---      | 00: ---        | 00: ---   | 00: ---   |
| r8 | 00: ---   | 00: ---      | 00: ---        | 00: ---   | 00: ---   |

```
#-----Entry: c4, r0-----
bmezo040=Entry(ablak)
bmezo040.grid(row=0, column=4, columnspan=1, rowspan=1, sticky=N)
#-----Button: c1, r0-----
kret01=Frame(ablak, relief='flat', borderwidth=1)
kret01.grid(row=0, column=1, columnspan=1, rowspan=1, sticky=N)
gmb010=Button(kret01, text='Ok', command=k_ablak.destroy)
gmb010.grid(row=0, column=0)
#-----Menu: c0, r0-----
kret00=Frame(ablak, relief='raised', borderwidth=1)
kret00.grid(row=0, column=0, columnspan=1, rowspan=1, sticky=N)
menu000=Menubutton(kret00, text='File')
mf000=Menu(menu000)
mf000.add_command(label='Close', command=k_ablak.destroy, state=NORMAL)
menu000.configure(menu=mf000)
menu000.grid(row=0, column=0, sticky=NW)
#-----Canvas: c2, r0-----
can020=Canvas(ablak, bg='white', height=250, width=200)
```

Check Restart Finalize

Reset

Your code is not done yet, you have to finalize it.

## 5. Press "Finalize" and copy the generated code with Ctrl+C

### Hint:

- rowspan must be placed under the expanded widget
- colspan must be placed to right side of the widget
- maximum 4 column and 4 rowspan cells can be selected for one widget (rowspan/colspan=5)
- if you use colspan and/or rowspan press "Check" button to check your selection.
  - all misplaced span selection will be reseted and
  - common merged cells disabled
- Canvas does not accept column/rowspan
- Open second session of Python IDLE and use it for checking the generated code without closing the running GUI generator
- widget name with (s) like 'Label (s)', 'Combobox (s)', 'Optionmenu (s)' and 'Radio (s)' means simple. It uses default parameters and does not open option window.

### Supported widgets:

menu (3x3), button (4x3), canvas, text with scroll, entry, label, combobox (4x3), optionmenu (4x3), radio (4x3), message, Universal Frame

*Note: I am not professional Python programmer, but I hope you can use it and it can help you to create Tkinter GUI much more easier.*

*If you have any comment, suggestion write me: [epromirok@gmail.com](mailto:epromirok@gmail.com)*

**If you like it you can donate me**

Paypal



Thank you!