

src\fct\_partial\app.py

```
1 import toga
2 from toga.style import Pack
3 from toga.style.pack import COLUMN, ROW
4 from functools import partial
5 import fct_partial.resources.module as m
6
7 class fct_partial(toga.App):
8
9     def f(self, widget):
10         print(self.f_var)
11
12     def g(self, widget, g_var):
13         print(g_var)
14
15     def mf(self, widget):
16         mf_var = m.f(self.f_var)
17         print(mf_var)
18
19     def mg(self, widget, g_var):
20         mg_var = m.g(g_var)
21         print(mg_var)
22
23     def startup(self):
24
25         def h(widget):
26             print(self.h_var)
27
28         def k(widget, k_var):
29             print(k_var)
30
31         def mh(widget):
32             mh_var = m.h(self.h_var)
33             print(mh_var)
34
35         def mk(widget, k_var):
36             mk_var = m.k(k_var)
37             print(mk_var)
38
39         self.f_var = 'my param f'
40         self.h_var = 'my param h'
41         self.font_size = 20
42         main_box = toga.Box(style=Pack(direction=COLUMN, font_size=self.font_size))
43
44         f_btn = toga.Button('Function f', on_press=self.f)
45         f_btn.style.update(font_size=self.font_size, color='red')
46         f_box = toga.Box(style=Pack(direction=ROW, padding=5))
47         f_box.add(f_btn)
48
49         g_btn = toga.Button('Function g', on_press=partial(self.g, g_var='g_var'))
50         g_btn.style.update(font_size=self.font_size, color='green')
51         g_box = toga.Box(style=Pack(direction=ROW, padding=5))
52         g_box.add(g_btn)
53
54         h_btn = toga.Button('Function h', on_press=h)
55         h_btn.style.update(font_size=self.font_size, color='blue')
56         h_box = toga.Box(style=Pack(direction=ROW, padding=5))
57         h_box.add(h_btn)
58
59         k_btn = toga.Button('Function k', on_press=partial(k, k_var='k_var'))
60         k_btn.style.update(font_size=self.font_size, color='darkviolet')
61         k_box = toga.Box(style=Pack(direction=ROW, padding=5))
62         k_box.add(k_btn)
63
64         mf_btn = toga.Button('Function mf', on_press=self.mf)
65         mf_btn.style.update(font_size=self.font_size, color='red')
66         mf_box = toga.Box(style=Pack(direction=ROW, padding=5))
67         mf_box.add(mf_btn)
68
69         mg_btn = toga.Button('Function mg', on_press=partial(self.mg, g_var='g_var'))
70         mg_btn.style.update(font_size=self.font_size, color='green')
71         mg_box = toga.Box(style=Pack(direction=ROW, padding=5))
72         mg_box.add(mg_btn)
73
74         mh_btn = toga.Button('Function mh', on_press=mh)
75         mh_btn.style.update(font_size=self.font_size, color='blue')
76         mh_box = toga.Box(style=Pack(direction=ROW, padding=5))
77         mh_box.add(mh_btn)
78
79         mk_btn = toga.Button('Function mk', on_press=partial(mk, k_var='k_var'))
80         mk_btn.style.update(font_size=self.font_size, color='darkviolet')
81         mk_box = toga.Box(style=Pack(direction=ROW, padding=5))
82         mk_box.add(mk_btn)
83
84         main_box.add(f_box)
85         main_box.add(g_box)
86         main_box.add(h_box)
87         main_box.add(k_box)
88         main_box.add(mf_box)
89         main_box.add(mg_box)
90         main_box.add(mh_box)
91         main_box.add(mk_box)
92
93         #mw_width = int(8*self.font_size) ; mw_height = int(11.4*self.font_size) # 4xbtn size=160x228
94         #mw_width = int(9.2*self.font_size) ; mw_height = int(16.6*self.font_size) # 6xbtn size=184x332
95         mw_width = int(9.2*self.font_size) ; mw_height = int(21.8*self.font_size) # 8xbtn size=184x436
96         self.main_window = toga.MainWindow(title=self.formal_name, size=(mw_width, mw_height))
97         #print(f'size={mw_width}x{mw_height}')
98         self.main_window.content = main_box
99         self.main_window.show()
100
101
102 def main():
103     return fct_partial()
104
105 my param f
106 g_var
107 my param h
108 k_var
109 module.f : my param f
110 module.g : g_var
111 module.h : my param h
112 module.k : k_var
113
'''
```