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main ▾

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Ryomacob21083 コメントアウト#8

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1 contributor

75 lines (66 sloc) | 2.01 KB

...

```
1 import tkinter as tk
2 import maze_maker as mm
3 import random
4
5 def key_down(event):
6     global key
7     key = event.keysym
8
9 def key_up(event):
10    global key
11    key = ""
12
13 def change_photo(): #画像の切り替え
14    global index
15    canv.delete("こうかとん")
16    index =(index+1)%len(bards)
17    canv.create_image(cx, cy, image=bards[index], tag="こうかとん")
18
19 def main_proc():
20    global mx, my, cx, cy, index
21    if key == "Up":
22        my -= 1
23        change_photo()
24    if key == "Down":
25        my += 1
26        change_photo()
27    if key == "Left":
28        mx -= 1
29        change_photo()
30    if key == "Right":
31        mx += 1
32        change_photo()
33    if maze_list[my][mx] == 0:
34        cx, cy = mx*100+50, my*100+50
35    else: #壁の場合
36        if key == "Up":
37            my += 1
38        if key == "Down":
```

```
39         my -= 1
40         if key == "Left":
41             mx += 1
42         if key == "Right":
43             mx -= 1
44         canv.coords("こうかとん", cx, cy)
45         root.after(100, main_proc)
46
47 if __name__ == "__main__":
48     root = tk.Tk()
49     root.title("迷えるこうかとん")
50     canv = tk.Canvas(root, width=1500, height=900, background="black")
51     canv.pack()
52
53     mx, my = 1, 1
54     cx, cy = mx*100 + 50, my*100 + 50
55     index = 0
56
57     key = "" #現在押されているキーを表す
58     root.bind("<KeyPress>", key_down)
59     root.bind("<KeyRelease>", key_up)
60
61     maze_list = mm.make_maze(15, 9)
62     mm.show_maze(canv, maze_list)
63
64     bards = [tk.PhotoImage(file="ex03/fig/1.png"), #画像のリスト
65              tk.PhotoImage(file="ex03/fig/2.png"),
66              tk.PhotoImage(file="ex03/fig/3.png"),
67              tk.PhotoImage(file="ex03/fig/4.png"),
68              tk.PhotoImage(file="ex03/fig/5.png"),
69              tk.PhotoImage(file="ex03/fig/6.png"),
70              tk.PhotoImage(file="ex03/fig/7.png"),
71              tk.PhotoImage(file="ex03/fig/8.png"),
72              tk.PhotoImage(file="ex03/fig/9.png")]
73     canv.create_image(cx, cy, image=bards[index], tag="こうかとん")
74     main_proc()
75     root.mainloop()
```