

Group task

03 October 2023

PoPL - GUI

Robbit Breeder [230143(Software Development) & 230378(Computer Science)]

CODE

```
Robbit Breeder.py ×
1 import tkinter as tk
2 from tkinter import ttk
3
4 window = tk.Tk()
5 window.title("Class Assignment 1")
6 window.resizable(width=True, height=True)
7 window.configure(background="#87CEEB")
8
9 rb = ttk.LabelFrame(window, text="Robbit Breeder")
10 rb.grid(column=0, row=0, padx=10, pady=5)
11
12 # Mating Details
13 ttk.Label(rb, text="Mating Details", font=('Arial', 20, "bold")).grid(column=0, row=0)
14 ttk.Label(rb, text="Fathering Buck:").grid(column=0, row=1)
15 fb_entered = ttk.Entry(rb, width=16)
16 fb_entered.grid(column=1, row=1)
17 ttk.Label(rb, text="Mothering Doe:").grid(column=0, row=2)
18 md_entered = ttk.Entry(rb, width=16)
19 md_entered.grid(column=1, row=2)
20 ttk.Label(rb, text="D.O.M:").grid(column=0, row=3)
21 dom_entered = ttk.Entry(rb, width=16)
22 dom_entered.grid(column=1, row=3)
23 # end
24
25 # Litter Details
26 ttk.Label(rb, text="Litter Details", font=('Arial', 20, "bold")).grid(column=0, row=5)
27
28
29 1 usage
30 def addTwoNumber():
31     res = int(fb_entered.get()) + int(md_entered.get())
32     textv.set(res)
33
34 1 usage
35 def clear():
36     res1 = ""
37     textv.set(res1)
38
39 number = tk.StringVar()
40 number1 = tk.StringVar()
41 ttk.Label(rb, text="No of female kits:").grid(column=0, row=6)
42 f_entered = ttk.Combobox(rb, width=6, text="No of female kits:", textvariable=number, state='readonly')
43 f_entered.grid(column=1, row=6)
44 f_entered['values'] = (1, 2, 3, 4, 5, 6, 7, 8, 9, 10)
45 f_entered.current(0)
46 ttk.Label(rb, text="No of male kits:").grid(column=0, row=7)
47 m_entered = ttk.Combobox(rb, text="No of male kits:", width=6, textvariable=number1, state='readonly')
48 m_entered.grid(column=1, row=7)
49 m_entered['values'] = (1, 2, 3, 4, 5, 6, 7, 8, 9, 10)
50 m_entered.current(0)
51 textv = tk.StringVar()
52 ttk.Label(rb, text="D.O.M:").grid(column=0, row=3)
53 ttk.Label(rb, text="Total Litter size: ").grid(column=0, row=8)
54 result = ttk.Label(rb, textvariable=textv)
55 result.grid(column=1, row=8)
56
57 action1 = ttk.Button(rb, text="UPDATE", width=8, command=addTwoNumber)
58 action1.grid(column=0, row=9)
59 action2 = ttk.Button(rb, text="CLEAR", width=6, command=clear)
60 action2.grid(column=0, row=9, padx=(120, 0))
61 # end
62
63 ttk.Label(rb, text="230378 & 230143", font=('Arial', 8, "bold", foreground="#A020F0")).grid(column=0, row=10, padx=(300, 0))
64 window.mainloop()
65
```

DEMO

Class Assignment 1

Robbit Breeder

Mating Details

Fathering Buck:

Mothering Doe:

D.O.M:

Litter Details

No of female kits:

1

No of male kits:

1

Total Litter size:

UPDATE

CLEAR

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Class Assignment 1

Robbit Breeder

Mating Details

Fathering Buck:

We did it!

Mothering Doe:

Uncle B

D.O.M:

=)

Litter Details

No of female kits:

6

No of male kits:

10

Total Litter size:

16

UPDATE

CLEAR

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