



Create a bracket now!
espn.com/bracket

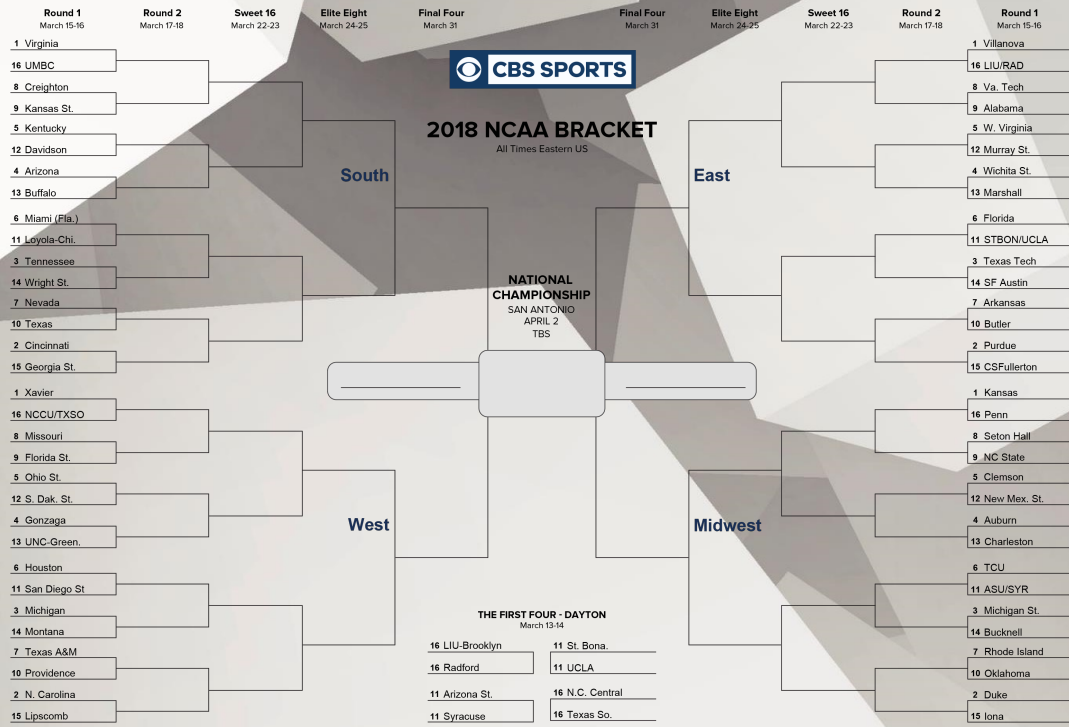


CBS SPORTS
RUN YOUR OWN BRACKET POOL

GET READY AT CBSSPORTS.COM/MANAGER



An Official NCAA
Bracket Game



Graphical User
Interface's
w/Python
Ethan Heidepriem

Basis for bracket simulation

Import Random for game simulations

Import tkinter for pop-up window

Pop-up window w/title

Lists containing team names by region

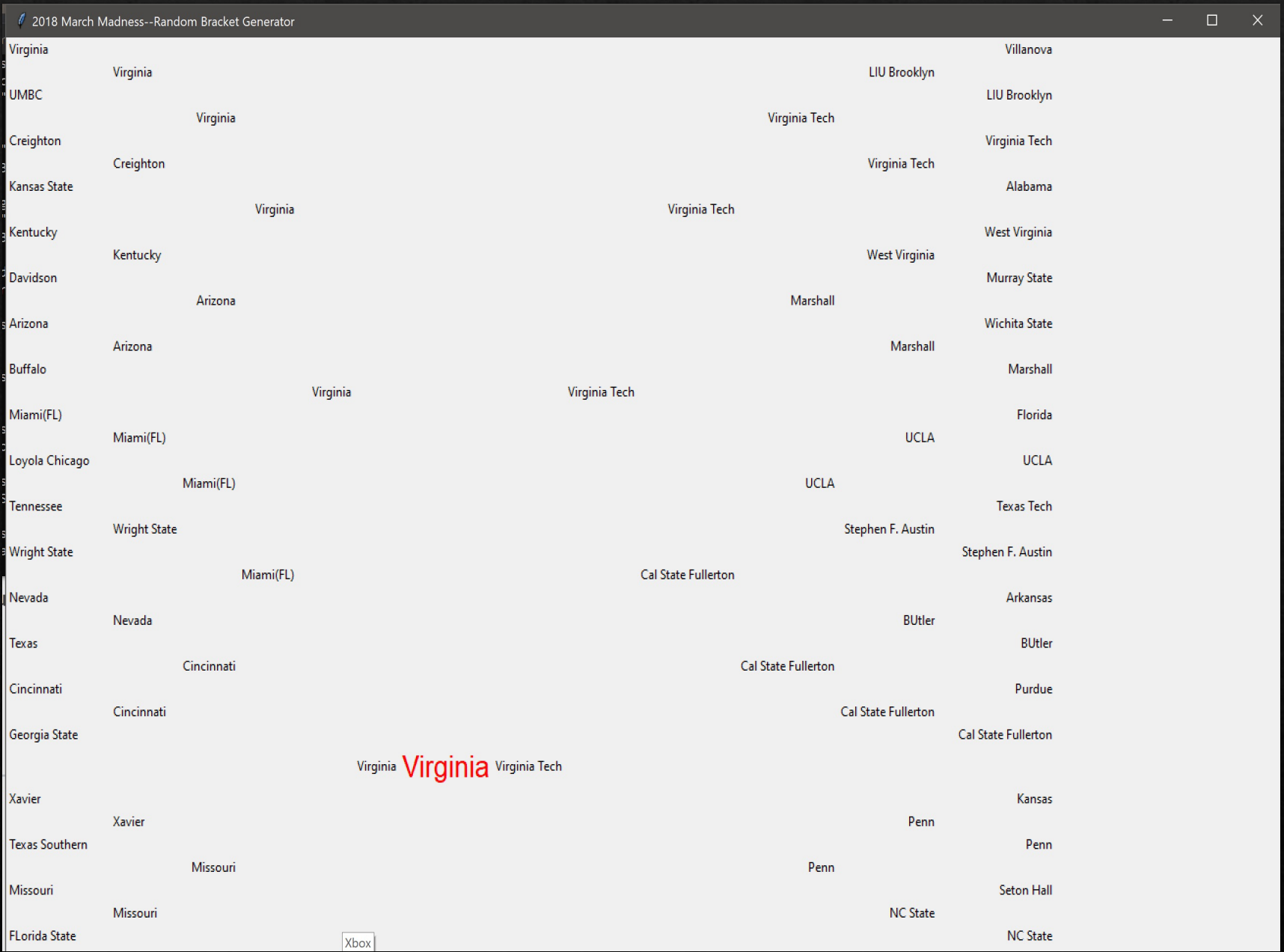
Random_winner function

Labels on tkinter pop-up window

```
1 #Created BY Ethan Heidepriem (Started 4/12/22)
2 #Random March Madness Bracket Generator 2018
3 import random
4 from tkinter import *
5 #Generate pop-up window
6 Window = Tk()
7 Window.title('2018 March Madness--Random Bracket Generator')
8 # scrollbar = Scrollbar(Window, orient = VERTICAL)
9 # scrollbar.grid( rowspan = 1200 , column = 1200, sticky = (N, S))
10 #Regional Team Lists in Ranked Order (1-16)
11 South_games = ['Virginia','Cincinnati','Tennessee','Arizona','Kentucky','Miami(FL)',
12 West_games = ['Xavier','North Carolina','Michigan','Gonzaga','Ohio State','Houston',
13 East_games = ['Villanova','Purdue','Texas Tech','Wichita State','West Virginia','Flc
14 Midwest_games = ['Kansas','Duke','Michigan State','Auburn','Clemson','TCU','Rhode Is
15
16
17 def rand_winner(game):
18     x=random.randint(0,1)
19     winner = game[x]
20     return winner
21
22 #Generating random winner for each game (Round of 64)
23 ##### SOUTH GAMES (TOP LEFT)
24 G1T1 = Label(Window, text = South_games[0]).grid(row=0, column=0, sticky=W)
25 G1T2 = Label(Window, text = South_games[15]).grid(row=2, column=0, sticky=W)
26 S64_G1 = [South_games[0],South_games[15]]
27 winner1 = rand_winner(S64_G1)
```

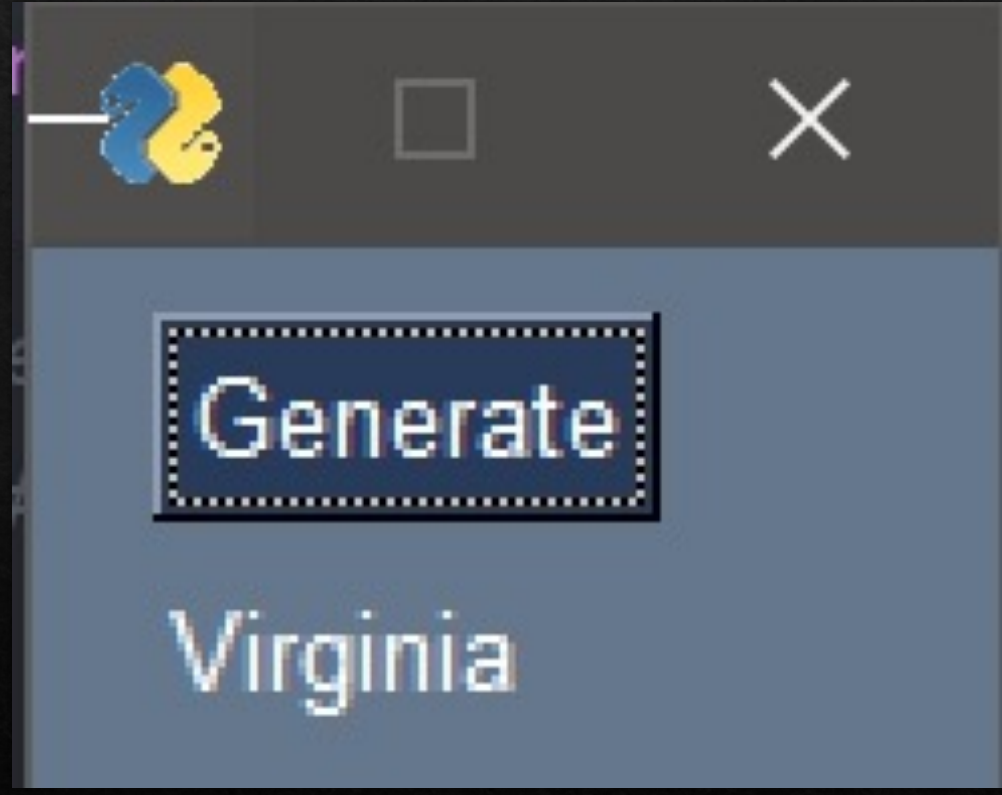
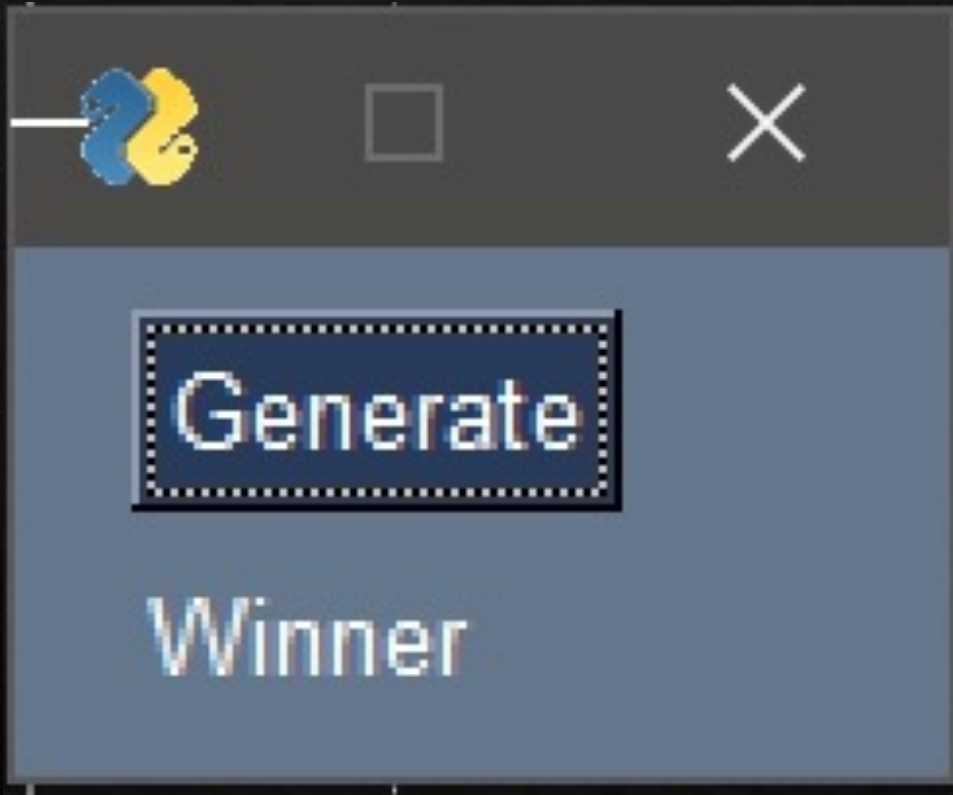
```
C:\Users\heids\Documents\CS 106\final proj>python pop_up.py  
Virginia
```

Boring...



Tkinter
 pop-up
 window
 w/ full
 bracket
 simulation
 display

PySimpleGUI Pop-Up



Code for PySimpleGUI TextBox & Button

```
1  import PySimpleGUI as sg
2  import final_proj
3  layout = [
4  [sg.Button('Generate', key = '-GENERATE-')],
5  [sg.Text('Text', key = '-TEXT-')]]
6  ]
7  window = sg.Window('2018 March Madness--Random Bracket Generator', layout)
8  while True:
9      event, values = window.read()
10     if event == sg.WIN_CLOSED:
11         break
12     if event == '-GENERATE-':
13         winner_str = f'{final_proj.winner}'
14         window['-TEXT-'].update(winner_str)
15 window.close()
```

