```
 1: # In-class example in HCC Fundamentals
 2: # Brygg Ullmer, Clemson University
 3: # Begun 2024-09-12
 4:
 5: from tkinter              import *
 6: from tkinter.font         import *
 7: from hccStudentThemesTki import *

 9: def helloCB():
10:   print("hello was pushed")

12: root = Tk()
13: root.title("HCC student themes navigator")
14: cw   = 25 #column width

22: headerFont = Font(family="Calibri", size=15, weight=BOLD)
23: bodyFont   = Font(family="Calibri", size=13)
24:
25: st           = studentThemesTki()
26: categories   = st.getCategories()

28: for category in categories:
29:   f     = Frame(root); f.pack(side=LEFT, anchor="n") #anchor to the north
30:   b     = Button(f, text=category, command=helloCB, font=headerFont, bg='#aaa')
31:   b.pack(expand=True, fill=BOTH)

33:   subthemes = st.getCatEntries(category)
34:   for subtheme in subthemes:
35:     b2 = Button(f, text=subtheme, width=cw, anchor="w", font=bodyFont)
36:     b2.pack(side=TOP)

38: studentKeys      = st.getStudentKeys()
39: firstStudent     = studentKeys[0]
40: studentViewFrame = st.buildStudentThemeView(root, firstStudent)
41: studentViewFrame.pack(expand=True, fill=BOTH)

43: root.mainloop()
46: ### end ###
```

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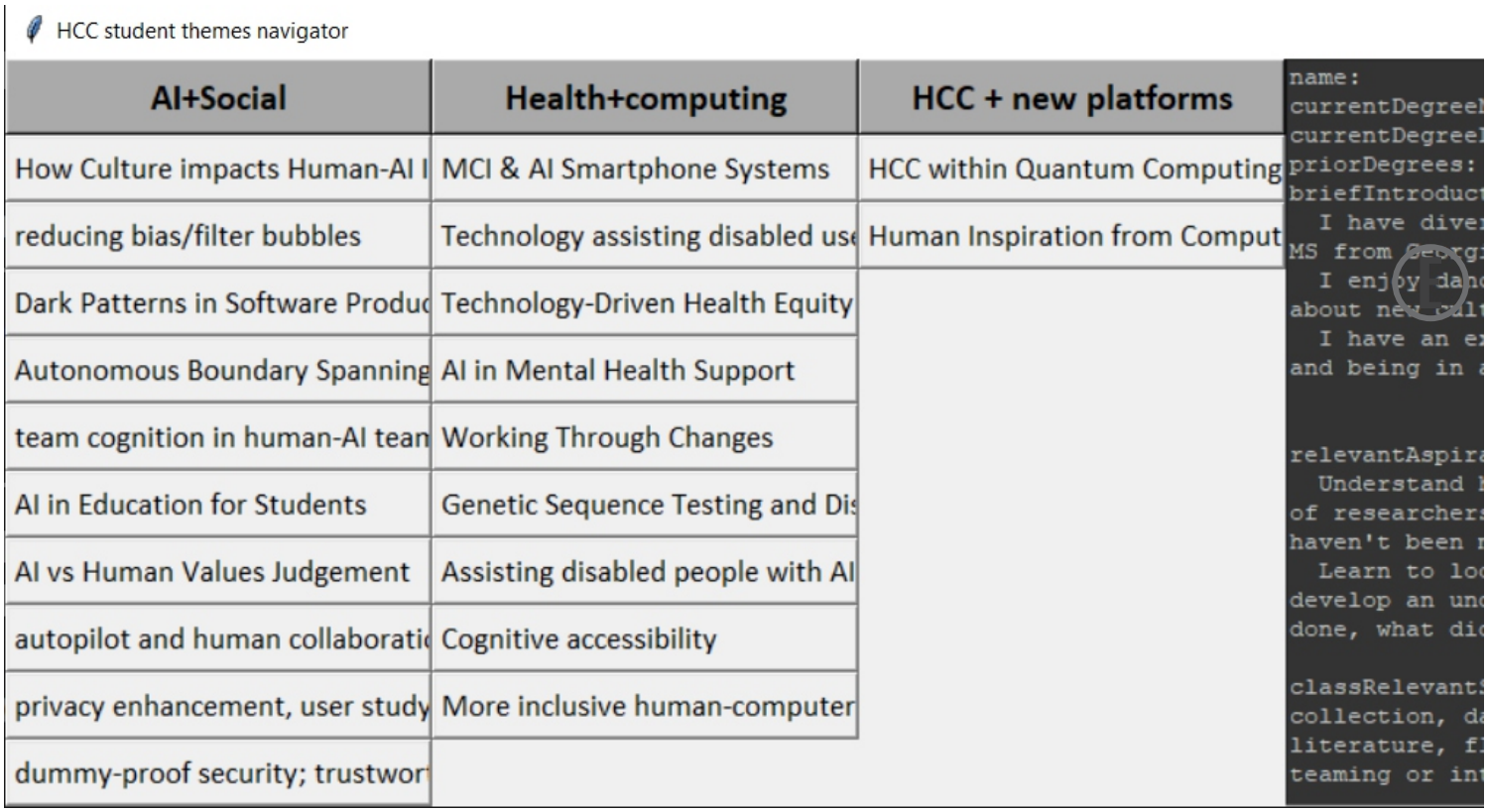

```
 1: # In-class example in HCC Fundamentals
 2: # Brygg Ullmer, Clemson University
 3: # Begun 2024-09-12

 5: from tkinter             import *
 6: from tkinter.font        import *
 7: from functools           import partial
 8: from hccStudentThemesTki import *
 9: from enoButtonArrayTki   import *

11: root = Tk()
12: cw   = 25 #column width

14: root.title("HCC student themes navigator")

16: try:    headerFont = Font(family="Calibri", size=15, weight=BOLD)
17: except: headerFont = ('Sans','15','bold')

19: try:    bodyFont = Font(family="Calibri", size=13)
20: except: bodyFont = ('Sans','13')

22: st          = studentThemesTki()
23: categories  = st.getCategories()
24:
25: ############# main #############
26:
27: bhm = buttonHighlightMgr()
28:
29: for category in categories:
30:   f    = Frame(root, bg='#112'); f.pack(side=LEFT, anchor="n", expand=True, fill=B
31:   b    = Button(f, text=category, font=headerFont, bg='#000', fg='#eee')
32:   b.pack(fill=X)
33:
34:   subthemes = st.getCatEntries(category)
35:   for subtheme in subthemes:
36:     cb1 = partial(st.displayStudentTheme, subtheme)
37:     cb2 = partial(bhm.triggerHighlightButton, subtheme)
39:     b2 = Button(f, text=subtheme, width=cw, anchor="w", font=bodyFont, command=cb2,
40:     bhm.registerButtonHandleCb(subtheme, b2, cb1)              bg='#444', fg='#ccc')
41:     b2.pack(side=TOP)

43: def bindAllWidgets(widget, keybind, cb):
44:   widget.bind(keybind, cb)
45:   for child in widget.winfo_children(): bindAllWidgets(child, keybind, cb)
47: bindAllWidgets(root, '<Right>', bhm.cycleNextButton)

49: studentKeys      = st.getStudentKeys()
50: firstStudent     = studentKeys[0]
51: studentViewFrame = st.buildStudentThemeView(root, firstStudent)
52: studentViewFrame.pack(expand=True, fill=BOTH)

54: root.mainloop()
```

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