

# \* COMPSCI 101 \*

"Everyone should learn how to code, it teaches you how to think"  
- Steve Jobs

## Qualities

- Logicness
- Efficiency
- Problem solving
- Proof checking
- Patience
- Intelligence

! Python!

```

Write code in Python 3.8
1 t = [10, 13, 27, 42, 47, 50, 61, 7]
2 n = len(t)
3
4 left = 0
5 right = n - 1
6 val = int(input("value ? "))
7
8 while (left != right):
9     med = (int)((left + right)/2)
10    if (val <= t[med]):
11        right = med
12    else:
13        left = med + 1
14
15 if (val == t[left]):
16     print ("found")
17 else:
18     print ("not found")
19
Print output (drag lower right corner to resize)
value ? 42

Frames Objects
Global frame
t
n
left
right
val
med
set
10 13 27 42 47 50

```



life saver!



! Return!

MUST REMAIN CALM  
Phew...

```

/Users/keneokolo/PycharmProjects/AP17/venv/bin/python /Users/keneokolo/PycharmProjects/AP17/WordPlay.py
Traceback (most recent call last):
  File "/Users/keneokolo/PycharmProjects/AP17/WordPlay.py", line 22, in <module>
    sortinorder("i love to eat!")
  File "/Users/keneokolo/PycharmProjects/AP17/WordPlay.py", line 13, in sortinorder
    aList = list(set(phrase.split))
TypeError: 'builtin_function_or_method' object is not iterable
Process finished with exit code 1

```



↳ after writing code for 3 hours

"I do no year computers  
1 year learn of them"  
- Isaac Asimov

! Print!