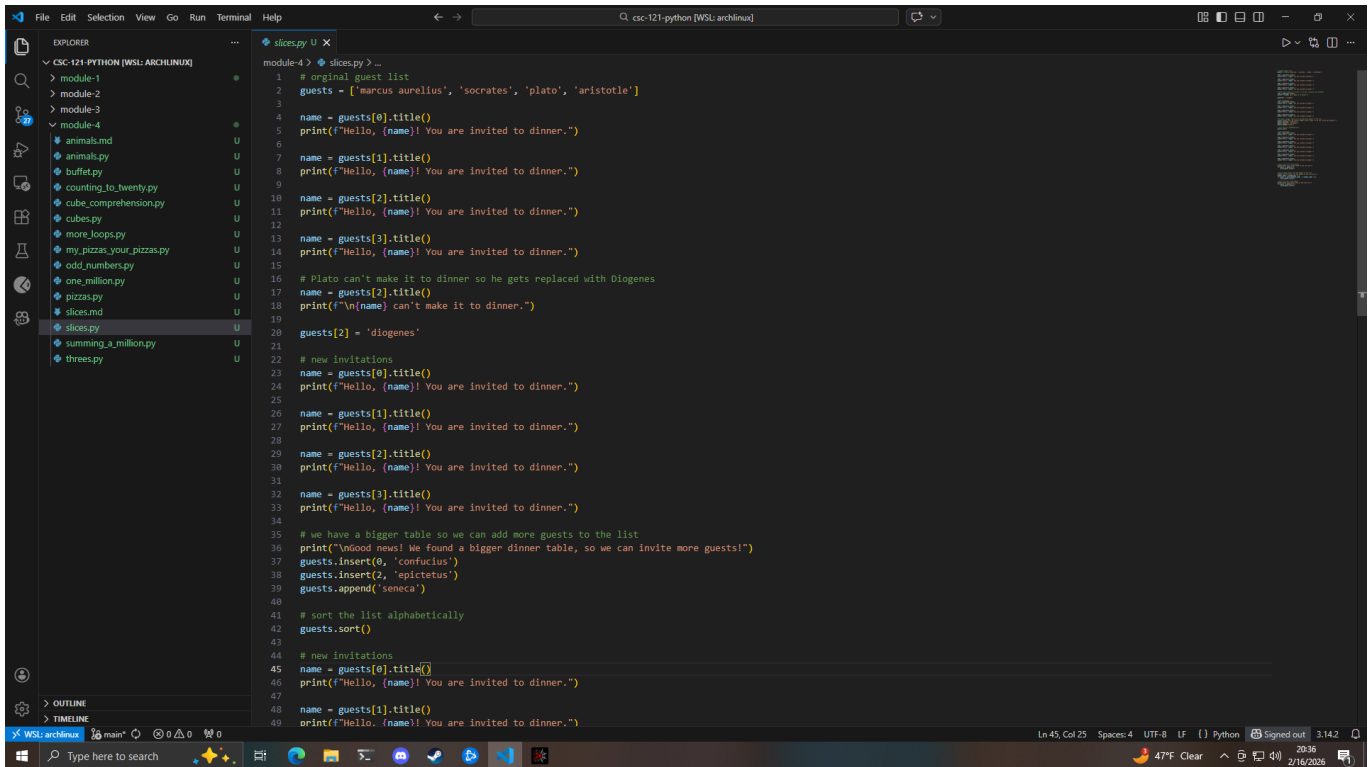
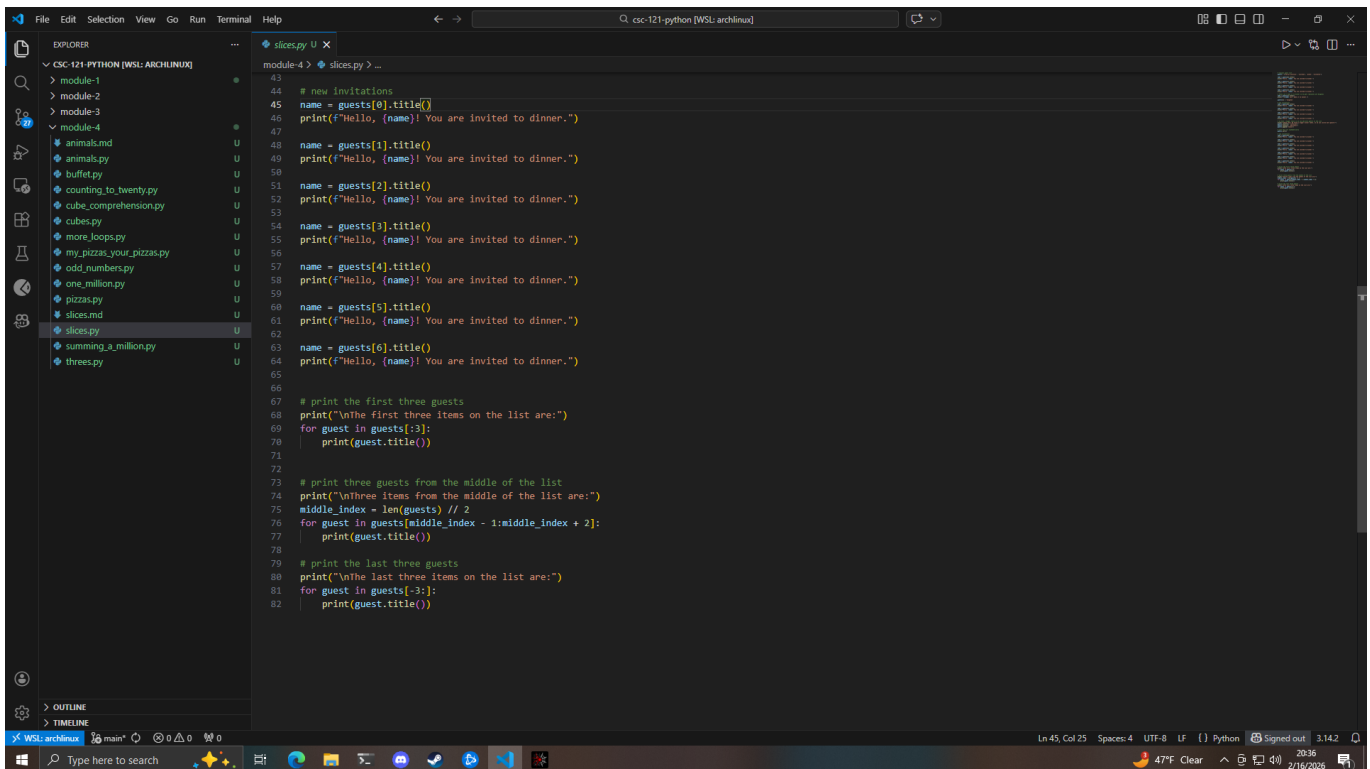


4-10. Slices



```
module-4 > slices.py > ...
1 # original guest list
2 guests = ['marcus aurelius', 'socrates', 'plato', 'aristotle']
3
4 name = guests[0].title()
5 print(f'Hello, {name}! You are invited to dinner.')
6
7 name = guests[1].title()
8 print(f'Hello, {name}! You are invited to dinner.')
9
10 name = guests[2].title()
11 print(f'Hello, {name}! You are invited to dinner.')
12
13 name = guests[3].title()
14 print(f'Hello, {name}! You are invited to dinner.')
15
16 # Plato can't make it to dinner so he gets replaced with Diogenes
17 name = guests[2].title()
18 print(f'\n{name} can't make it to dinner.')
19
20 guests[2] = 'diogenes'
21
22 # new invitations
23 name = guests[0].title()
24 print(f'Hello, {name}! You are invited to dinner.')
25
26 name = guests[1].title()
27 print(f'Hello, {name}! You are invited to dinner.')
28
29 name = guests[2].title()
30 print(f'Hello, {name}! You are invited to dinner.')
31
32 name = guests[3].title()
33 print(f'Hello, {name}! You are invited to dinner.')
34
35 # we have a bigger table so we can add more guests to the list
36 print("\nGood news! We found a bigger dinner table, so we can invite more guests!")
37 guests.insert(0, 'confucius')
38 guests.insert(2, 'epictetus')
39 guests.append('seneca')
40
41 # sort the list alphabetically
42 guests.sort()
43
44 # new invitations
45 name = guests[0].title()
46 print(f'Hello, {name}! You are invited to dinner.')
47
48 name = guests[1].title()
49 print(f'Hello, {name}! You are invited to dinner.'
```



```
43
44 # new invitations
45 name = guests[0].title()
46 print(f'Hello, {name}! You are invited to dinner.')
47
48 name = guests[1].title()
49 print(f'Hello, {name}! You are invited to dinner.')
50
51 name = guests[2].title()
52 print(f'Hello, {name}! You are invited to dinner.')
53
54 name = guests[3].title()
55 print(f'Hello, {name}! You are invited to dinner.')
56
57 name = guests[4].title()
58 print(f'Hello, {name}! You are invited to dinner.')
59
60 name = guests[5].title()
61 print(f'Hello, {name}! You are invited to dinner.')
62
63 name = guests[6].title()
64 print(f'Hello, {name}! You are invited to dinner.')
65
66
67 # print the first three guests
68 print("\nThe first three items on the list are:")
69 for guest in guests[:3]:
70     print(guest.title())
71
72
73 # print three guests from the middle of the list
74 print("\nThree items from the middle of the list are:")
75 middle_index = len(guests) // 2
76 for guest in guests[middle_index - 1:middle_index + 2]:
77     print(guest.title())
78
79 # print the last three guests
80 print("\nThe last three items on the list are:")
81 for guest in guests[-3:]:
82     print(guest.title())
```

