

David H Smith IV

University of Illinois Urbana-Champaign

Wed, July 13 2021

Reminders

0

Reminders

- Homework 5 due Friday
- Homework 4 grace period due Friday
- Signup for Quiz 4 via the CBTF

Strings

4 / 15

Poll Question: Slicing

```
1 my_str = "CS 105"
2 print(my_str[1:2])
```

- (A) 'C'
- B 'CS'
- 'CS ,
- O 'S'
- (3 'S')

Poll Question: Slicing

```
1 my_str = "CS 105"
2 print(my_str[-4:-2])
```

- A 'S 1'
- 'S 10'
- 9 '1'
- , 10

Poll Question: Slicing

```
1 my_str = "CS 105"
2 print(my_str([::2]))
```

- Q ,C,
- B 'CS'
- 'S'
- ① 'C 0'

Poll Question: Splitting

```
1 my_str = "CS 105 rox"
2 result = my_str.split()
```

- 🔕 ("CS", "105", "rox")
- B ["CS 105 rox""]
- ["CS", "105 rox"]
- ["CS", "105", "rox"]

Poll Question: Splitting

```
1 csv = "1, 2, 3, 4"
2 result = csv.split(",")
```

- ('1')
- ['1, 2, 3, 4']
- **(** ['1', '2', '3', '4']
- ['1,', '2,', '3,', '4']

Poll Question: Joining

```
1 numlist = [1, 2, 3, 4]
2 result = ",".join(numlist)
```

- 3 '1,2,3,4'
- **9** '1, 2, 3, 4
- TypeError

Files

Poll Question: Opening a File

By default what does this code allow?

- A Reading
- Writing
- Appending
- Page 10 Reading and Writing
- Writing and Appending
- f reading, Writing, and Appending



Poll Question: Files

Continue writing to existing files?

```
a outf = open('filename', 'r')
```

- outf = open('filename', 'x')
- outf = open('filename', 'i')
- outf = open('filename', 'a')
- outf = open('filename', 'e')

Reading from Files

Method 1:

```
file_object = open('filename')
lines = file_object.readlines()
for line in lines:
    print(line)
file_object.close()
```

Method 2:

```
with open('filename') as inf:
lines = file_object.readlines()
for line in lines:
    print(line)
#automatic file close
```



Writing to Files

Method 1:

```
file_object = open('filename', 'w')
file_object.write('thing to write')
file_objet.close() #automatic at program end
file_object.flush() #optional
```

Method 2:

```
with open('filename', 'w') as outf:
file_object.write('thing to write')
#automatic file close
```