



Reno Technology Academy

Multnomah University Reno/Tahoe

CIS104: Coding in Python

Lesson 6

Readings:

Learning Python

Chapter 10: Introducing Python Statements

A Quick Example: Interactive Loops pp. 340-347

Chapter Summary – End of chapter pp. 347-348

Chapter 13: while and for Loops

for Loops pp. 409-417

Loop Coding Techniques – End of chapter pp. 417-429

Chapter 22: Modules: The Big Picture pp.691-708

Chapter 23: Module Coding Basics pp.711-728

Lab/Homework (10 points)

Upload the answers to Populi in a text file. I just need number and answer. E.g. 1. c.

1. Which of these is an integer?
 - a. 2
 - b. 609.343
 - c. "Hello"
 - d. 3.45
2. Which of these is a floating point number?
 - a. "World"
 - b. 3
 - c. 67.23
 - d. 6
3. What will be the result of `type({'o':3})`?

- a. `<class 'float'>`
 - b. `<class 'int'>`
 - c. `<class 'dict'>`
 - d. `<class 'tuple'>`
4. Which of these will output 15?
- a. `(50 + 10) * 5 / 20`
 - b. `50 + (10 * 5) / 20`
 - c. `50 + 10 * 5 / 20`
 - d. `50 + 10 * (5 / 20)`
5. What is the result of `1/4`?
- a. `.25`
 - b. `1/4`
 - c. `4`
 - d. `1`
6. What is the result of `5//3`?
- a. `1.6666666666666667`
 - b. `5`
 - c. `3`
 - d. `1`
7. What is the result of `len("Hello World!")`?
- a. `10`
 - b. `11`
 - c. `12`
 - d. `13`
8. What is the result of `'Hello World'[8:9]`?
- a. `'or'`
 - b. `'rl'`
 - c. `'o'`
 - d. `'r'`
9. What is the result of `'Hello World'[-5]`?
- a. `'W'`
 - b. `' '`
 - c. `'o'`
 - d. Exception thrown

10. What does “mutable” mean?

- a. You can use indexing to change individual elements
- b. You can't use indexing to change individual elements

11. What is the result of `'Hello World'[::-1]`?

- a. Exception thrown
- b. `'dlroW olleH'`
- c. `''`
- d. `'Hello Worl'`

12. What is the result of `'I like %s' % 'Python'`?

- a. `'I like %s' % 'Python'`
- b. Exception thrown
- c. `'I like Python'`
- d. `'I like %s'`

13. What is the result of `'I like {}'.format('Python')`?

- a. `'I like {}'`
- b. `'Python'`
- c. Exception thrown
- d. `'I like Python'`

14. If `lst=[2, 4, 6]`, what is the result of `lst.pop()`?

- a. `2`
- b. Exception thrown
- c. `6`
- d. `4`

15. Continuing from question 12, what is the value of list after running question 12?

- a. `[2, 4]`
- b. `[2, 4, 6]`
- c. `[4, 6]`
- d. `[2, 6]`

16. Lists must have the same object type?

- a. **False**
- b. **True**

17. If `lst=[2, 4, 6, 8]`, what would you write to get `[4, 6]`?

- a. It can't be done.
- b. `lst[1:3]`

c. `lst[2:3]`

d. `lst[1:2]`

18. If `lst=[1, 2, 3, 4, 5, 6]`, what would you write to get just the even numbers?

a. `lst[2:4:6]`

b. `lst[1:3:5]`

c. `lst[1::2]`

d. It can't be done.

19. Dictionaries retain an order?

a. **True**

b. **False**

20. What will be the result of `34 != 34`?

a. **True**

b. **False**