Python 101 Quiz 1

1. Email:

2. First Name:

3. Last Name:

4. What are some facts about Python?

1. High-level, interpreted, general-purpose computer language
2. Open source, cross-platform, and object oriented
3. Not case sensitive and doesn’t require line indentation for blocks of code
4. Accepts variable names with a leading number, and only accepts double quote
5. Hash sign (#) is to denote a comment line

5. What are Pandas and Numpy examples of?

1. Variables
2. Functions
3. Parameters
4. Package/Library

6. Which of the following is NOT a reserved word in Python?

1. else
2. end
3. not
4. or
5. for

7. Which of the following is NOT an example of a loop?

1. while t in e:
2. for x in y:
3. while e > 5:
4. x for x in range(5)

8. Which of the following is NOT a Python built-in data type?

1. str
2. int/float
3. list
4. char

9. Which of the following is an example of a list?

1. [1, 2, 3, 4]
2. {1, 2, 3, 4}
3. (1, 2, 3, 4)
4. |1, 2, 3, 4|

10. Which of the following is an example of a dict?

1. {1, 2, 3, 4}
2. [1, 2, 3, 4]
3. (1, 2, 3, 4)
4. {1: ‘a’, 2: ‘b’, 3: ‘c’, 4: ‘d’}

11. Which of the following is an example of a tuple?

1. (1, 2, 3, 4)
2. [1, 2, 3, 4]
3. {1, 2, 3, 4}
4. |1, 2, 3, 4|

12. Which of the following define(s) a mutable object?

1. Quicker to access
2. Changeable
3. Resource-expensive to change
4. Object can accept new addition(s)

13. Which of the following data types below is immutable?

1. list
2. dict
3. set
4. int/float

14. Which of the following is (an example of) an assignment operator?

1. +
2. //
3. +=
4. \*\*

15. Which of the following is NOT (an example of) a comparison operator?

1. ==
2. !=
3. >=
4. &

16. What is a Pandas Dataframe?

1. An array of data
2. A 3-dimension table
3. A 2-dimension table
4. A list of objects

17. What is the difference between a Pandas Series and a Pandas Dataframe?

1. A Dataframe contains many columns of data while a Series only has one column of data
2. A Dataframe contains only one column of data while a Series has many columns of data
3. A Dataframe contains an array of data while a Series only has one column of data
4. A Dataframe contains many arrays of data while a Series has many columns of data

18. What type is this: ‘39.25’

1. double
2. float
3. int
4. str

19. What is considered acceptable in conventional variable naming?

1. d2023\_4\_5
2. 4may
3. variable.
4. and

20. What is a list method from the following below?

1. get()
2. append()
3. split()
4. search()