Name

Python List Lesson 5 PCAP

Class

Total questions: 20

Worksheet time: 11mins

Date

1.
```
list = [13, 4, 22, 17, -2]
a = list.pop()
print(a)
```

What value is printed to the console?

a) 13   b) 4

c) 22   d) 17

e) -2

2.
```
list = [13, 4, 22, 17, -2]
list.sort()
print(list[3])
```

What is printed to the console?

a) 13   b) 4

c) 17   d) 22

3.
```
list = [13, 4, 22, 17, -2]
print(list[3])
```

What value is printed to console?

a) 22   b) 17

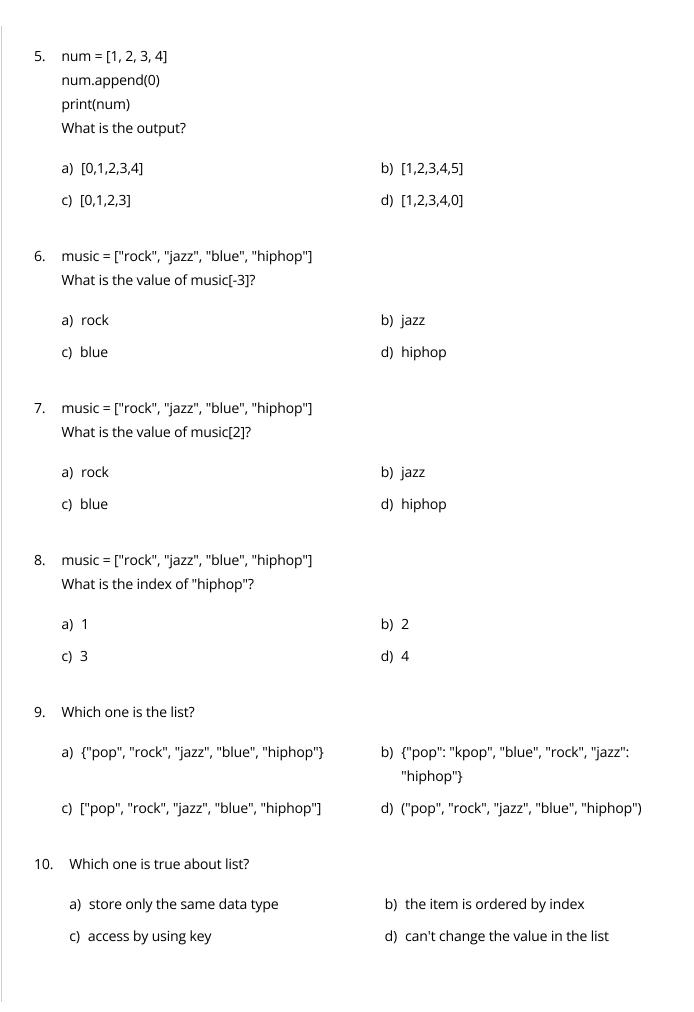c) -2   d) 4

4. thisList = ["square", "circle", "triangle", "octagon"]
    print(thisList[3])

a) octagon   b) triangle

c) circle   d) square

5. num = [1, 2, 3, 4]
   num.append(0)
   print(num)
   What is the output?

   a) [0,1,2,3,4]   b) [1,2,3,4,5]

   c) [0,1,2,3]   d) [1,2,3,4,0]

6. music = ["rock", "jazz", "blue", "hiphop"]
   What is the value of music[-3]?

   a) rock   b) jazz

   c) blue   d) hiphop

7. music = ["rock", "jazz", "blue", "hiphop"]
   What is the value of music[2]?

   a) rock   b) jazz

   c) blue   d) hiphop

8. music = ["rock", "jazz", "blue", "hiphop"]
   What is the index of "hiphop"?

   a) 1   b) 2

   c) 3   d) 4

9. Which one is the list?

   a) {"pop", "rock", "jazz", "blue", "hiphop"}   b) {"pop": "kpop", "blue", "rock", "jazz": "hiphop"}

   c) ["pop", "rock", "jazz", "blue", "hiphop"]   d) ("pop", "rock", "jazz", "blue", "hiphop")

10. Which one is true about list?

    a) store only the same data type   b) the item is ordered by index

    c) access by using key   d) can't change the value in the list

11. What is the uses of a list in Python?

a) A data type used for representing a single value

b) A collection of elements that are ordered and mutable

c) A function used for mathematical calculations

d) A loop used for iterationg over sequences

12. How do you create an empty list in Python?

Note: 2 choices are correct

a) empty_list = {}

b) empty_list = ()

c) empty_list = []

d) empty_list = list()

13. Which of the following is the correct way of accessing the first element in a list called students?

a) students[1]

b) students(1)

c) students.first()

d) students[0]

14. What does the 'append()' method do for lists?

a) Removes the last element from lists

b) Adds an element to the end of lists

c) Reverse the order of the elements in lists

d) Sorts the elements in lists

15. Which of the following methods can be used to remove an element by its value from a list?

a) 'remove( )'

b) 'delete( )'

c) 'pop( )'

d) 'discard( )'

16. How do you find the number of elements in a list?

a) size(list)

b) count(list)

c) length(list)

d) len(list)

17.

```
numbers = [1, 2, 3, 4]
numbers[1] = 5
print(numbers)
```

What is the output of the following code?

a) [1, 2, 3, 4]   b) [5, 2, 3, 4]

c) [1, 2, 3, 5]   d) [1, 5, 3, 4]

18. Which method is used to sort a list in ascending order?

a) order( )   b) sort( )

c) sorted( )   d) arrange( )

19. What does the slicing operation do on a list in Python?

a) Deletes elements from the list   b) Appends elements to the list

c) Extracts a portion of the list based on the   d) Reverses the order of elements in the list
    provided indices

20.

```
numbers = [1, 2, 3, 4, 5]
doubled = [num * 2 for num in numbers]
```

What will the following code snippet do?

a) Create a new list with double the values of   b) Remove all even numbers from the original
    the original list   list

c) Reverse the order of the elements in the   d) Append the original list to another list
    original list

Answer Keys

1. e) -2

2. c) 17

3. b) 17

4. a) octagon

5. d) [1,2,3,4,0]

6. b) jazz

7. c) blue

8. c) 3

9. c) ["pop", "rock", "jazz", "blue", "hiphop"]

10. b) the item is ordered by index

11. b) A collection of elements that are ordered and mutable

12. c) empty_list , empty_list = []   d) = list()

13. d) students[0]

14. b) Adds an element to the end of lists

15. a) 'remove( )'

16. d) len(list)

17. d) [1, 5, 3, 4]

18. b) sort( )

19. c) Extracts a portion of the list based on the provided indices

20. a) Create a new list with double the values of the original list