

1) What will be the output of the following code snippet?

```
def func (a, b): return b if a == 0 else func (b % a, a) print (func (30, 75))
```

Ans = C (15)

2) numbers = (4, 7, 19, 2, 89, 45, 72, 22) sorted numbers = sorted(numbers) even = lambda a: a % 2 == 0
even numbers = filter(even, sorted numbers) print(type(even numbers))

Ans = B (Filter)

3) As what datatype are the *args stored, when passed into

Ans = A (Tuple)

4) set1 = {14, 3, 55} set2 = {82, 49, 62} set3={99,22,17} print(Len(set1 + set2 + set3))

Ans = D (Error)

5) What keyword is used in Python to raise exceptions?

Ans = A (Raise)

6) Which of the following modules need to be imported to handle date time computations in Python?

Ans = C (Datetime)

7) What will be the output of the following code snippet? print (4**3 + (7 + 5) **(1 + 1))

Ans = C (208)

8) Which of the following functions converts date to corresponding time in Python?

Ans = C (strptime and strftime)

9) The python tuple is _____ in nature.

Ans = B (immutable)

10) The ____ is a built-in function that returns a range object that consists series of integer numbers, which we can iterate using a for loop.

Ans = (A) Range ()

11) Amongst which of the following is a function which does not have any name?

Ans = C (Lambda function)

12) The module Pickle is used to _____.

Ans = C (Serializing Python object structure and De-serializing Python object structure)

13) Amongst which of the following is / are the method of convert Python objects for writing data in a binary file?

Ans = B and C (dump () method and Load () method)

14 Amongst which of the following is / are the method used to unpickling data from a binary file?

Ans = (A) Load ()

15) A text file contains only textual information consisting of ____.

Ans = D (All of the mentioned above)

16) Which Python code could replace the ellipsis (...) below to get the following output? (Select all that apply.)
captains = {"Enterprise": "Picard", "Voyager": "Janeway", "Defiant": "Sisko"}, Enterprise Picard,
Voyager Janeway Defiant Sisko

Ans = A and D

17) Which of the following lines of code will create an empty dictionary named captains?

Ans = D (captains = {})

18) Now you have your empty dictionary named captains. It's time to add some data! Specifically, you want to add the key-value pairs "Enterprise": "Picard", "Voyager": "Janeway", and "Defiant": "Sisko". Which of the following code snippets will successfully add these key-value pairs to the existing captains dictionary?

Ans = B

19) You're really building out the Federation Starfleet now! Here's what you have: captains = {"Enterprise": "Picard", "Voyager": "Janeway", "Defiant": "Sisko", "Discovery": "unknown"}, Now, say you want to display the ship and captain names contained in the dictionary, but you also want to provide some additional context. How could you do it?

Ans = B

20) You've created a dictionary, added data, checked for the existence of keys, and iterated over it with a for loop. Now you're ready to delete a key from this dictionary: captains = {"Enterprise": "Picard", "Voyager": "Janeway", "Defiant": "Sisko", "Discovery": "unknown"}, What statement will remove the entry for the key "Discovery"?

Ans = C (del captains["Discovery"])