

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

Ans:- 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:- 'filter'

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

Ans:- Tuple

4. `set1 = {14, 3, 55}`

`set2 = {82, 49, 62}`

`set3 = {99, 22, 17}`

`print(len(set1 + set2 + set3))`

Ans:- Error

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

Ans:- raise

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

Ans:- datetime

7. `print(4**3 + (7 + 5)**(1 + 1))`

Ans:- 208

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

Ans:- none

9. The python tuple is \_\_\_\_\_ in nature.

Ans:- 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:- range()

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

Ans:- Lambda function

12. The module Pickle is used to \_\_\_\_.

Ans:- Both A and B

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

Ans:- `dump()` method

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

Ans:- `load()`

15. A text file contains only textual information consisting of \_\_\_\_.

Ans:- 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:- both A and B

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

Ans:- `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:- option 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:- option 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:- option C